



Service Manual

Created: 12 December 2016



X AIR XR18

18-Channel, 12-Bus Digital Mixer for iPad/Android Tablets with 16 Programmable MIDAS Preamps, Integrated Wifi Module and Multi-Channel USB Audio Interface

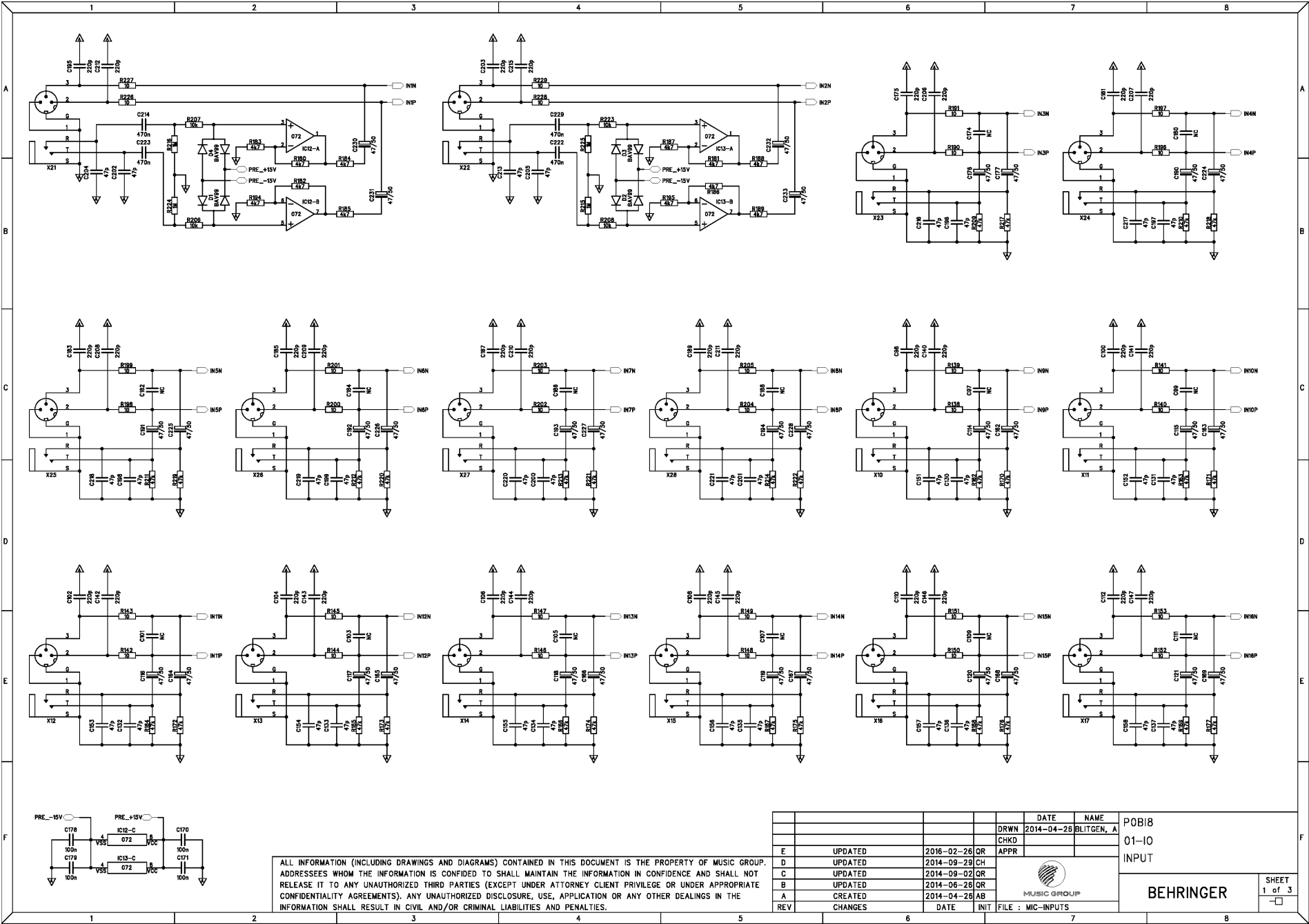
Specifications	2
PCB Schematic	3
Parts List	27
Exploded Drawing	40

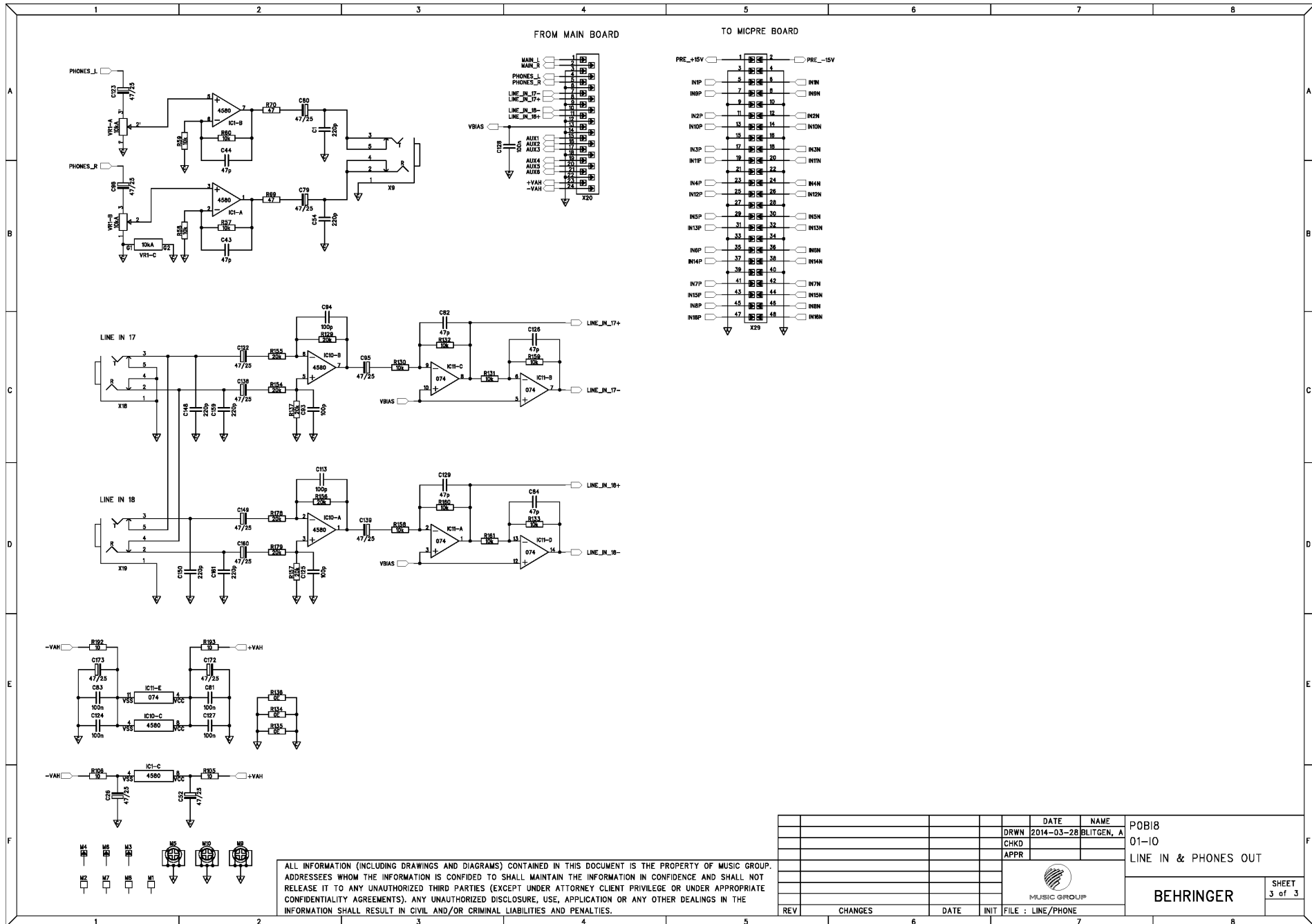
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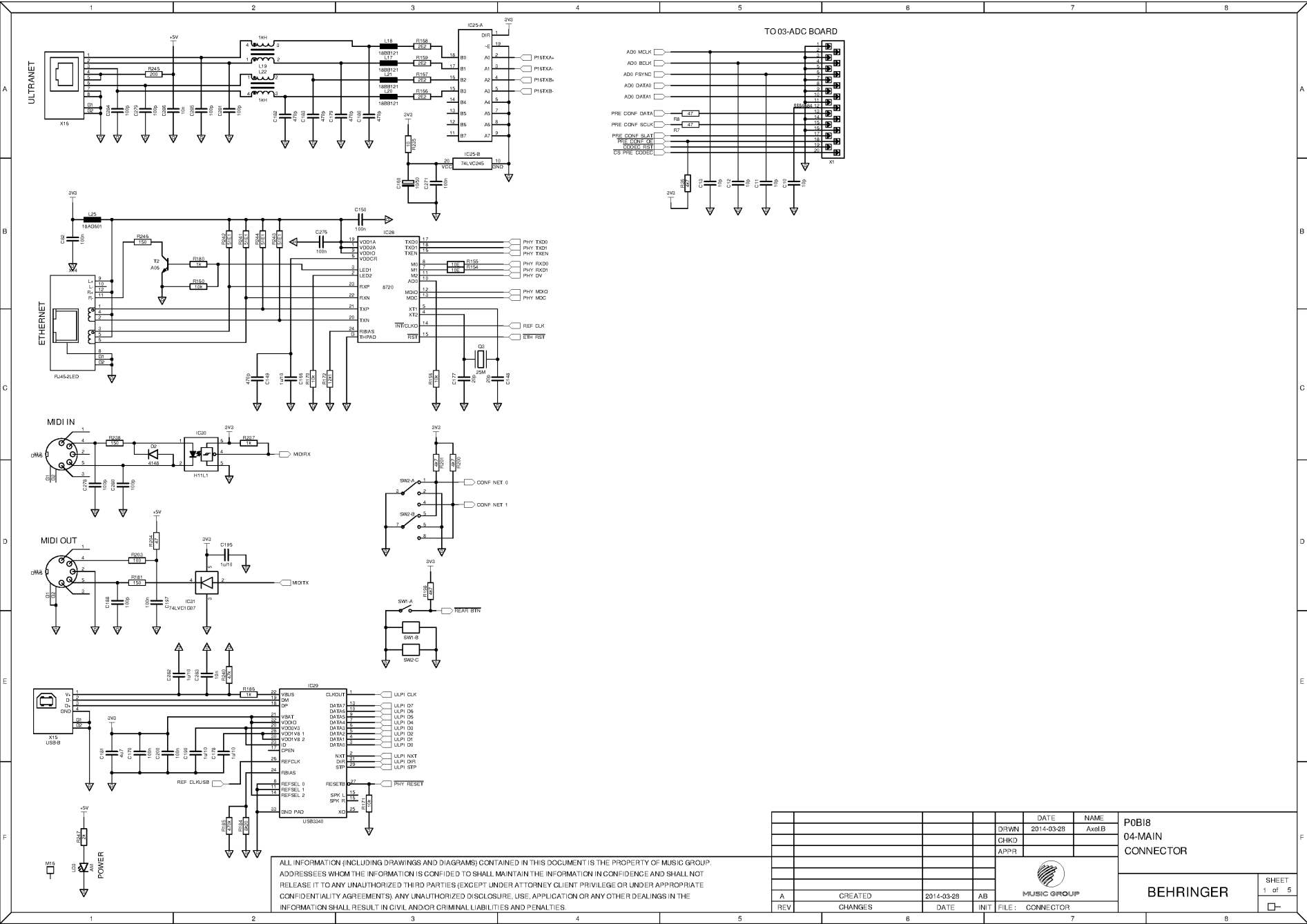
X AIR XR18

Specifications

- iPad*/Android* tablet controlled 18-input digital mixer for studio and live application
- 16 award-winning MIDAS-designed, fully programmable mic preamps for audiophile sound quality
- Built-In Tri-Mode Wifi router for direct operation—no need for external routers
- 18 x 18 channel, bidirectional USB interface for direct recording on iPad etc.
- Revolutionary Dugan*-style Auto-Mixing automatically manages microphone gain sharing
- Award-winning X32 effects rack featuring 4 stereo FX slots including high-end simulations such as Lexicon 480L* and PCM70*, EMT250* and Quantec QRS* etc.
- 100-band Real Time Analyzer (RTA) for all channel and bus EQ's
- ULTRANET connectivity for BEHRINGER's P-16 Personal Monitoring System*
- Rack ears and protection bumpers included for flexible rack and onstage applications
- 6 aux and main LR buses with inserts, full dynamics processing and 6-band parametric or 31-band graphic EQ
- 6 XLR aux outputs and 2 XLR main outputs plus phones connector
- 40-Bit floating-point DSP features "unlimited" dynamic range with no internal overload and near-zero overall latency
- Free iOS, Android and PC/Mac*/Linux* apps available for remote operation via Ethernet, LAN or WiFi
- MIDI In/Out allows controlling the mixer via MIDI equipment (incl. Mackie Control* protocol) or for use as a USB MIDI interface (future firmware)
- Future firmware updates, incl. new FX "Plug Ins", downloadable from behringer.com free of charge
- Internal switch-mode power supply for noise-free audio and low power consumption
- 3-Year Warranty Program*
- Designed and engineered in Germany

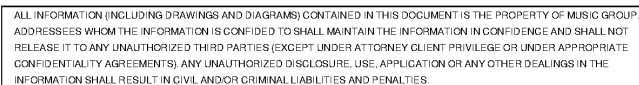




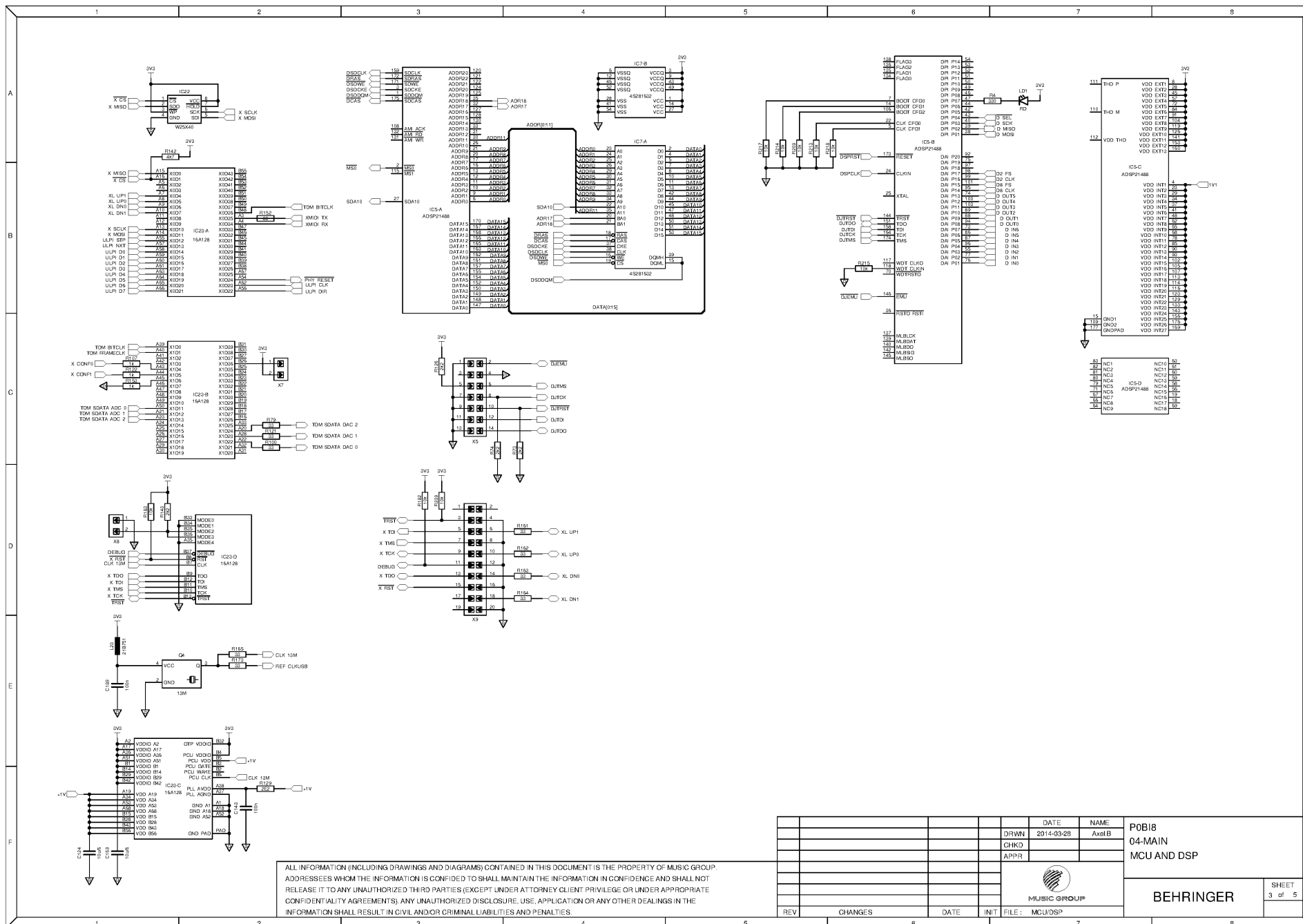


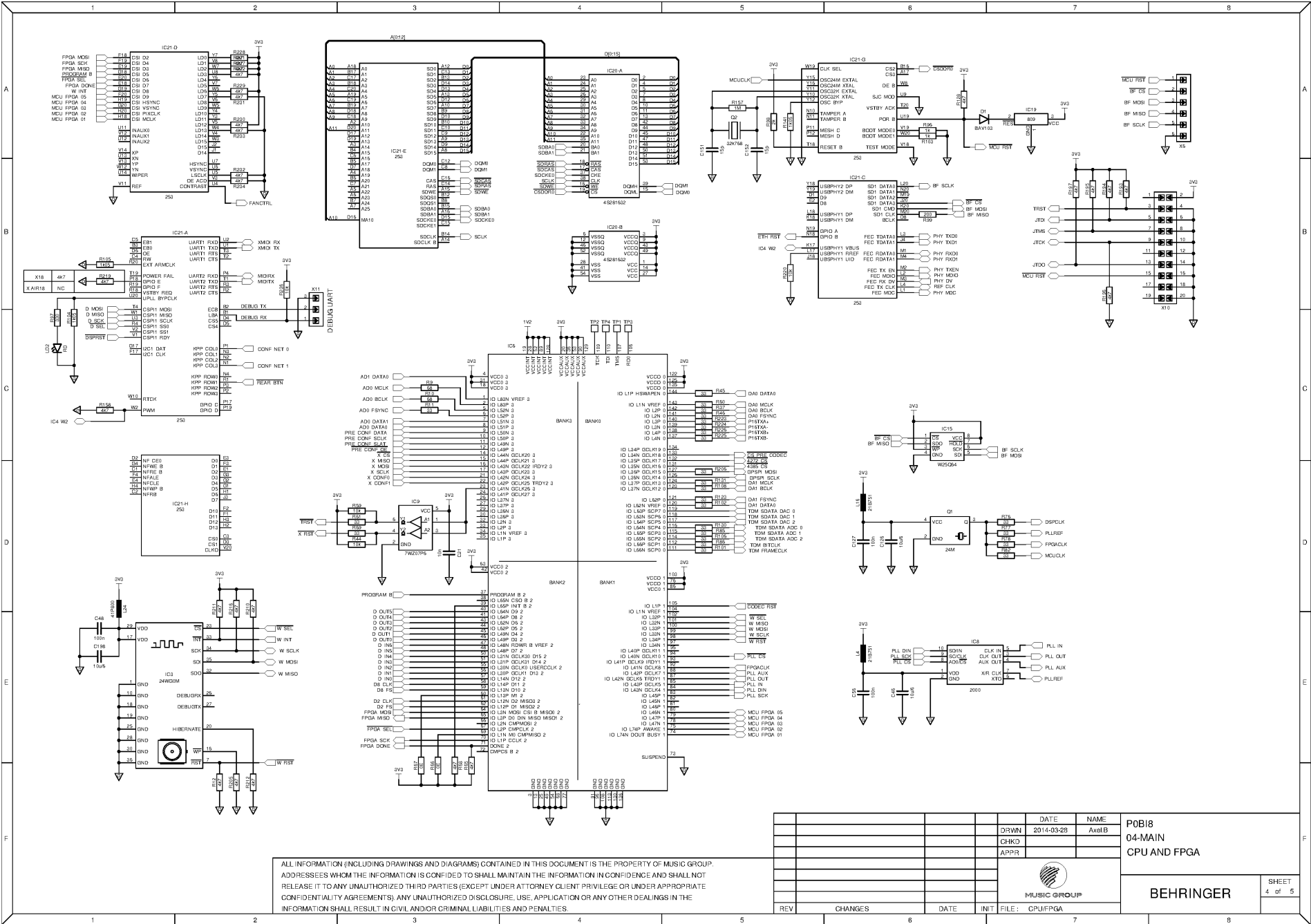
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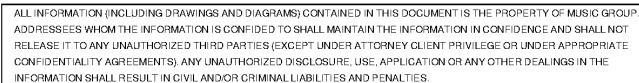
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						BEHRINGER	
						SHEET 1 of 5	
						FILE: CONNECTOR	
						CONNECTOR	



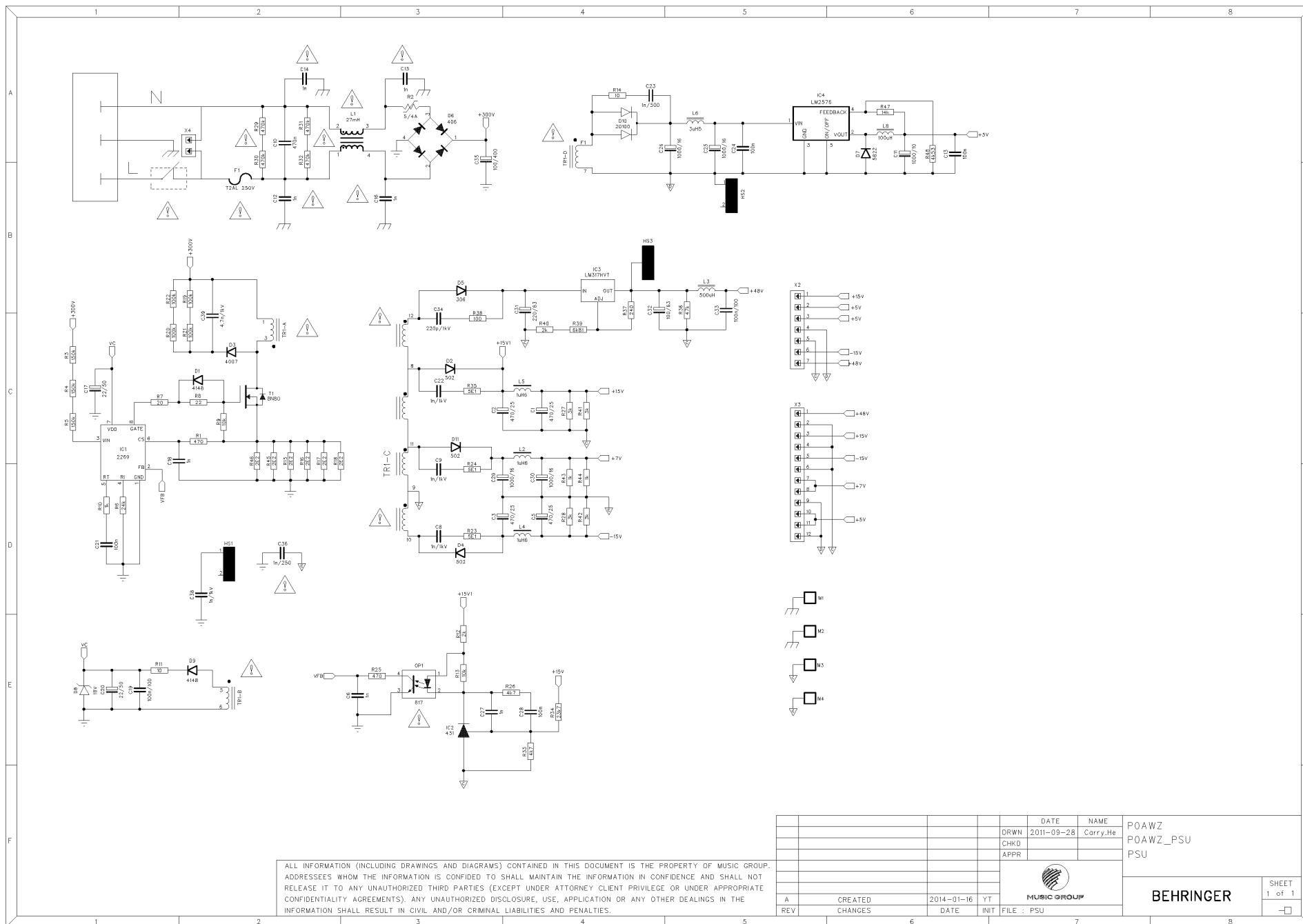
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				CHKD				
				APPR				
				 MUSIC GROUP				
REV	CHANGES	DATE	INIT	FILE : ANALOG				

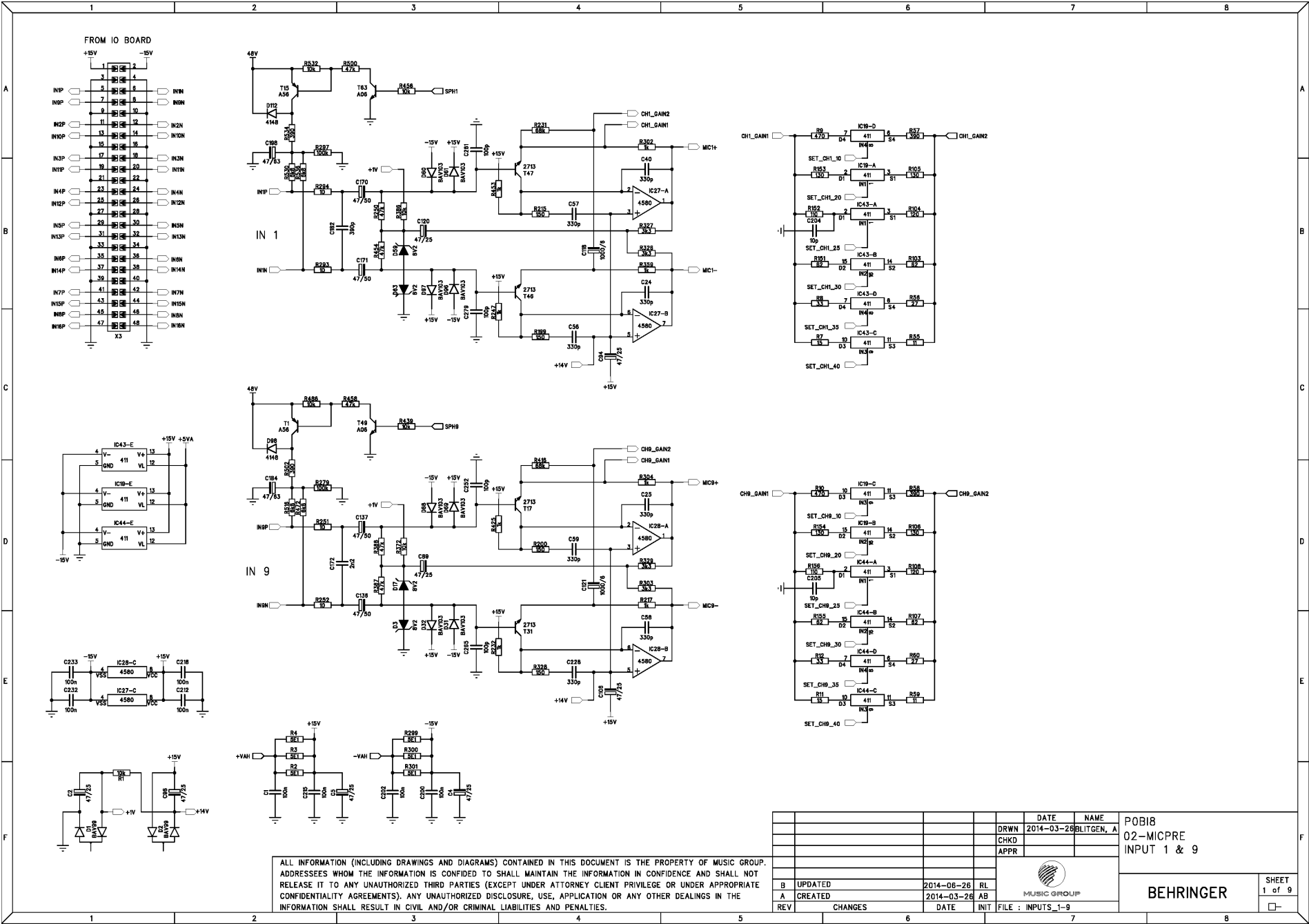


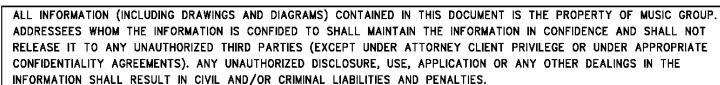


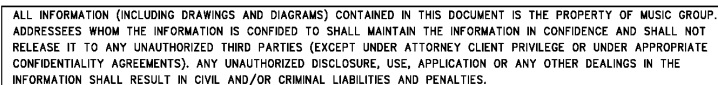


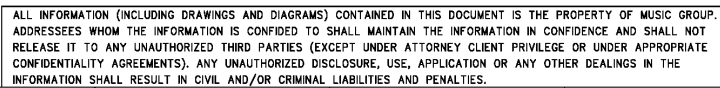
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				CHKD			
				APPR			
				 MUSIC GROUP			BEHRINGER
REV	CHANGES	DATE	INIT	FILE : POWER			

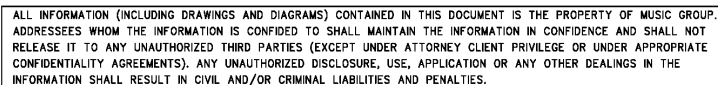


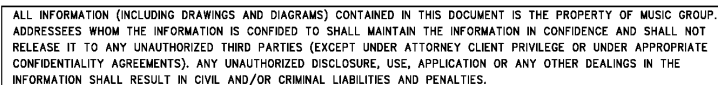


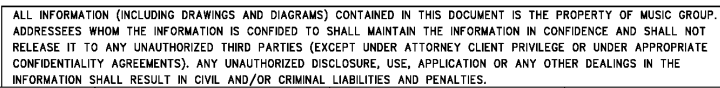


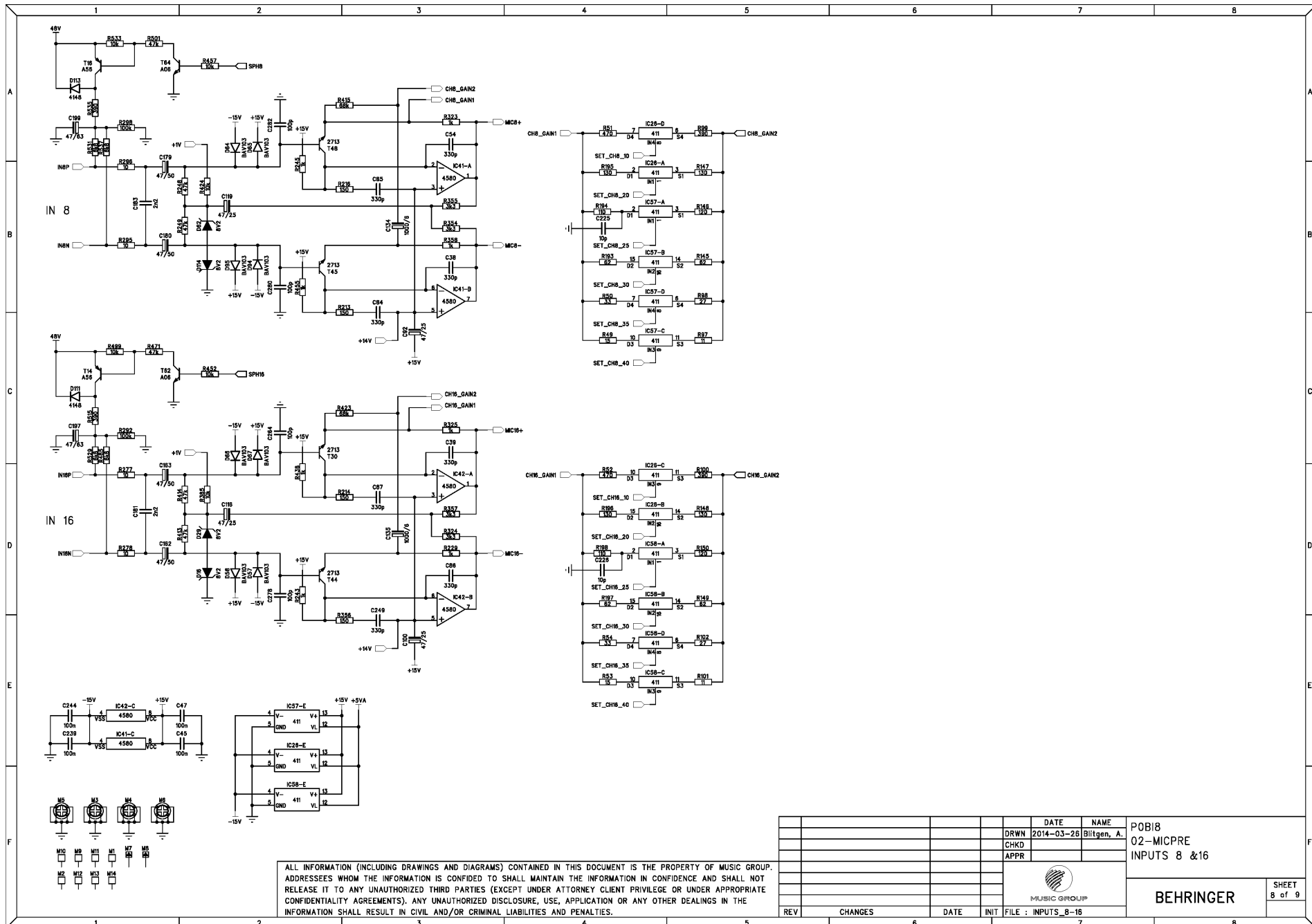


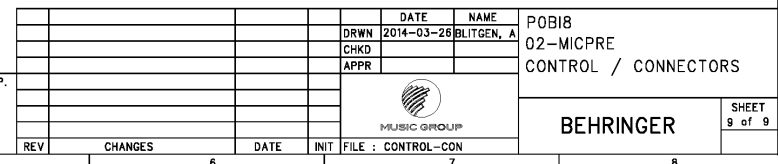


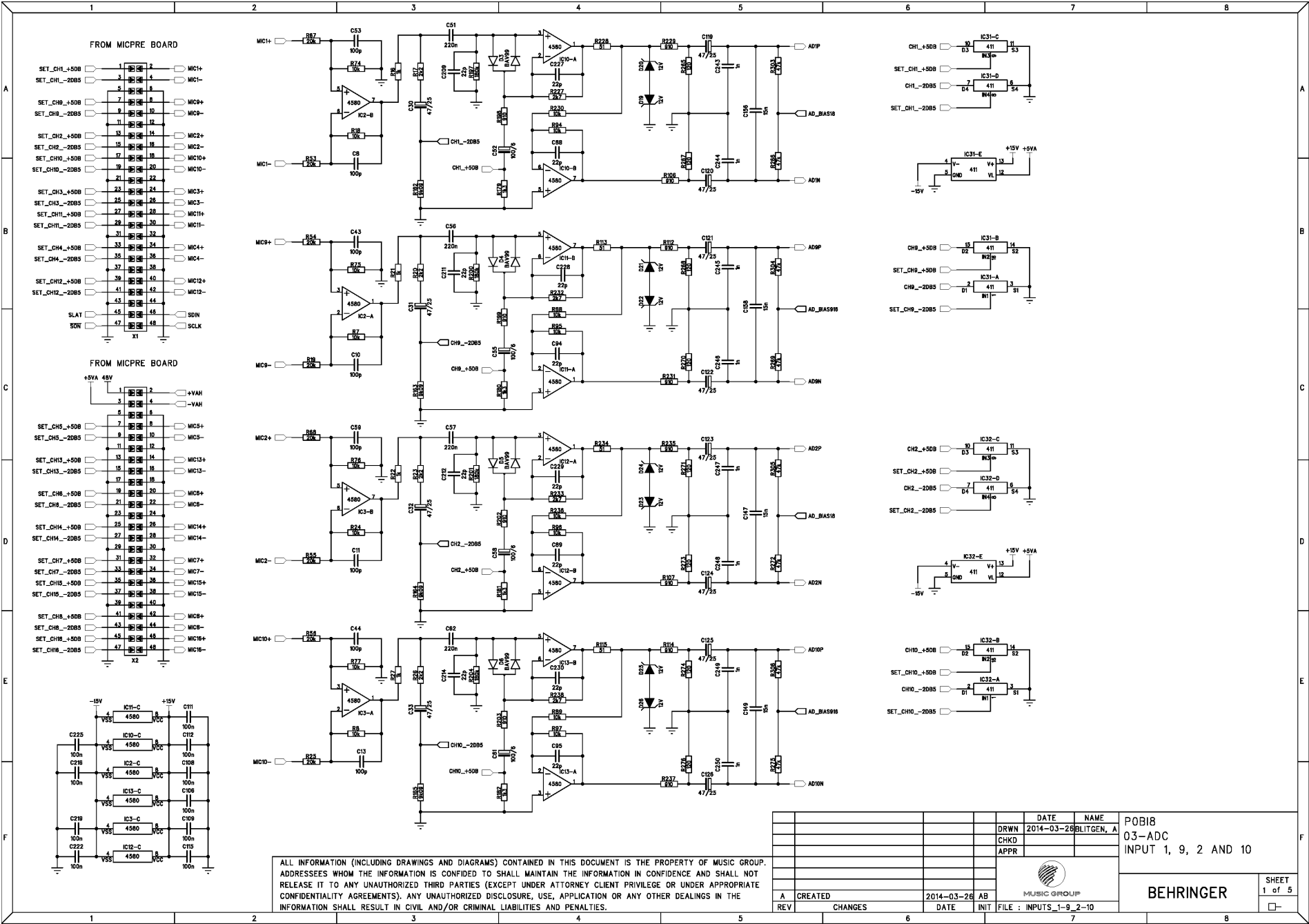


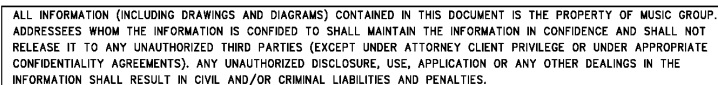


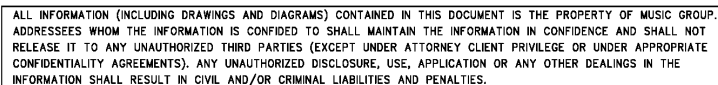


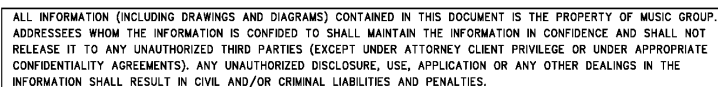


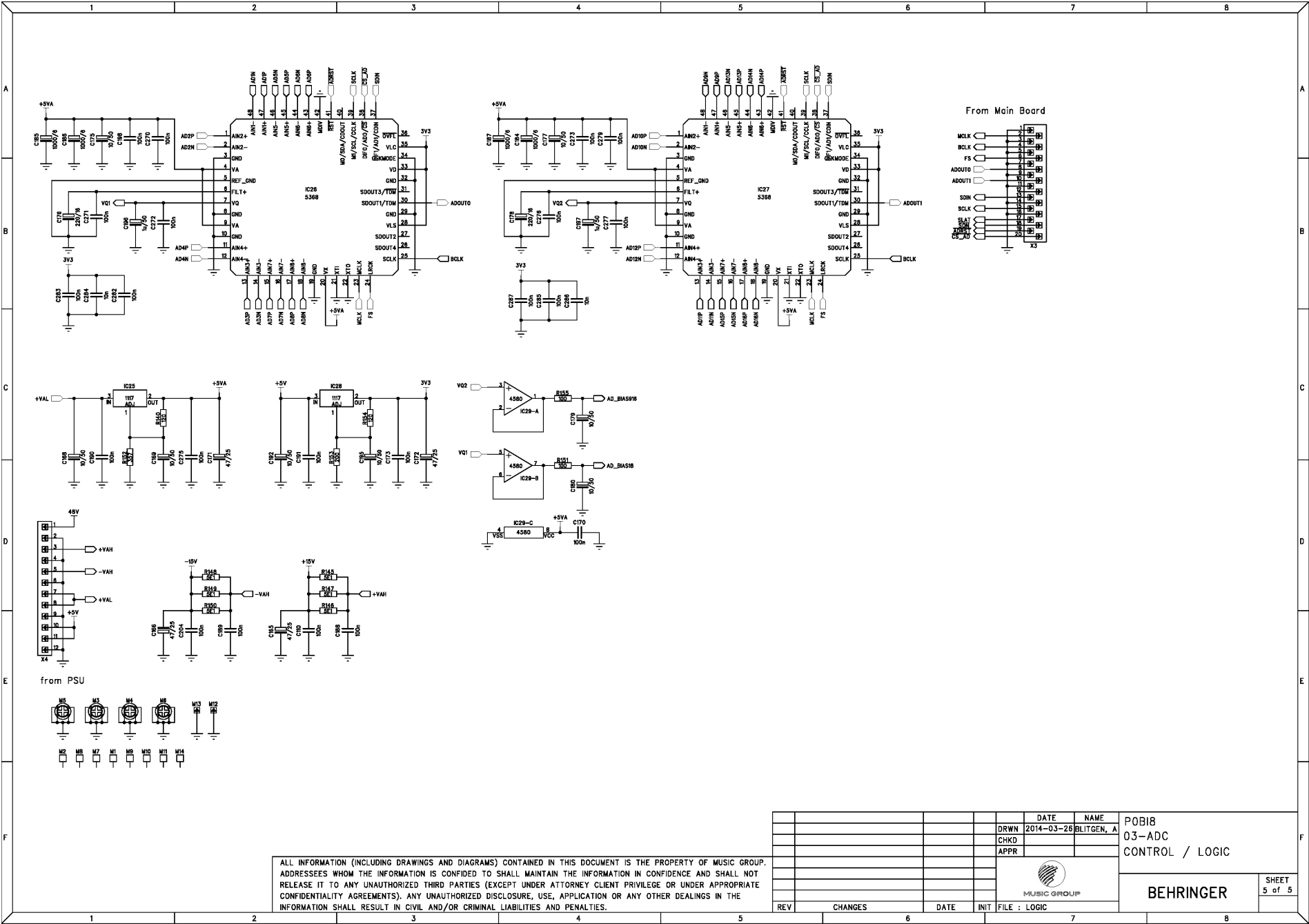


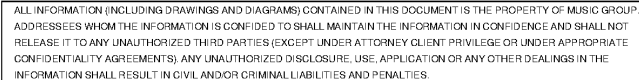












Service Assemblies

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1			Q05-BI803-00103	A09-BI800-AW003	SPARE PART;POBI8;PCB ASSEMBLY;3;C;HI;ADC	[EXTRA SPARE]	
2			Q05-BI806-00101	A09-BI800-17001	SPARE PART;POBI8;PCB ASSEMBLY;6;A;PSU;HI	[EXTRA SPARE]	
3				A09-BI800-03000	SPARE PART;SUB ASSEMBLY;REAR	[EXTRA SPARE]	
4				A09-BI800-02000	SPARE PART;POBI8;SUB ASSEMBLY;FRONT	[EXTRA SPARE]	
5			Q05-BI804-00103	A09-BI800-00003	SPARE PART;POBI8;PCB ASSEMBLY;4;D;HI;MAIN	[EXTRA SPARE]	
6			Q05-BI802-00102	A09-BI800-00002	SPARE PART;POBI8;PCB ASSEMBLY;2;B;HI;MICPRE	[EXTRA SPARE]	
7			Q05-BI805-00101	A09-BI800-00001	SPARE PART;POBI8;PCB ASSEMBLY;5;A;HI;05-ACIN	[EXTRA SPARE]	
8			Q09-AWZ00-00000	A09-AWZ00-00000	SPARE PART;POAWZ;PSU	[EXTRA SPARE]	

Hi Pcb Assemblies

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC		A05-BI801-00105	PCB ASSEMBLY;POBI8;PCB:1;REV:E;HI;IO		

Cable

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC		A81-00000-04037	WIRE HARNESS;AWG:26;UL2468;2 MM;12;COMMON;180 MM;ALL BLACK PIN1 RED	[POBI8:3: {1.0}{X4}]	
2	1.0000	PC		A81-00000-98176	WIRE HARNESS;LENGTH:150 MM;AWG:18;UL1007;PITCH:3.96 MM;POLES:7;PIN1 RED;JS4008-7P;JS1121-7P	[POBI8:06: {1.0}{X2}]	
3	1.0000	PC	Q85-00001-08612	A85-00001-08612	WIRE HARNESS;LENGTH:200 MM;PITCH:1 MM;POLES:24;FLEX FLAT		
4	1.0000	PC	Q85-00001-18926	A85-00001-18926	WIRE HARNESS;LENGTH:120 MM;PITCH:1 MM;POLES:20;FLEX FLAT CABLE;ADD CONDUCTIVE CLOTH		
5	1.0000	PC	Q87-00000-90075	A87-00000-90075	CABLE ASSEMBLY;STRAND WIRE;LENGTH:190 MM;POLES:1;BLACK;BTC130-1-70B-190		
6	1.0000	PC		A87-00001-19546	CABLE ASSEMBLY;STRAND WIRE;LENGTH:120 MM;AWG:18;UL1672;PITCH:3.96 MM;POLES:3;BLUE;JS1121;S/T:7MM; NO PIN2		X31,X32
7	1.0000	PC	Q76-00001-31031	A76-00001-31031	CABLE;AC-CORD;W/POLYBAG;LENGTH:150cm;AWG:18;H05VV-F 3G0.75MM;VERSION;UK;5A FUSE		(UK)
8	1.0000	PC		A87-00001-19546	CABLE ASSEMBLY;STRAND WIRE;LENGTH:120 MM;AWG:18;UL1672;PITCH:3.96 MM;POLES:3;BLUE;JS1121;S/T:7MM; NO PIN2		(EU, UL, UK, SAA, BR, AR, JPHM, JP5H)
9	1.0000	PC	Q76-15032-55649	A76-15032-55649	CABLE;AC-CORD;CLASS II;W/POLYBAG;JAPAN;LENGTH:150cm;POLES:3;APPROVAL:PSE;JS155 3 + VCTF 3x0.75mm2 + V1528		(JPHM, JP5H, JPMG)
10	1.0000	PC	Q76-18050-47490	A76-18050-47490	CABLE;AC-CORD;LENGTH:180cm;VERSION:SAA;PLUG:HE105 ISOLATED;SAA H05VV-F 3x0.75mm2;CONN.HP-3;SPEC.NO:47490		(SAA)
11	1.0000	PC	Q76-15222-06417	A76-15222-06417	CABLE;AC-CORD;W/POLYBAG;LENGTH:152cm;AWG:18;VERSION;UL;SPEC.NO:0 6417		(UL)
12	1.0000	PC	Q76-00000-05305	A76-00000-05305	CABLE;AC-CORD;3;BR;1500 MM;Plug + Connector:375+730;H05VV-F 3G0.75		(BR)
13	1.0000	PC	Q76-15212-03119	A76-15212-03119	CABLE;AC-CORD;W/POLYBAG;LENGTH:152cm;H05VV-F 3G 0.75MM2;VERSION;EU;SPEC.NO:03119		(EU)
14	1.0000	PC	Q76-00000-13573	A76-00000-13573	CABLE;AC-CORD;3;AR;1500 MM;Plug + Connector:321+730;H05VV-F 3G0.75		(AR)

Capacitor

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	16.0000	PC			CAP E;100uF;6V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0B18:3: {7.0}(C52,C58,C64,C70,C76,C82,C152)]	*NOT available in DP
2	3.0000	PC			CAP E;100uF;16V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0B18:4: {3.0}(C59,C113,C172)]	*NOT available in DP
3	2.0000	PC			CAP E;220uF;16V;PITCH:2mm5;6.3mm x 12mm;VERTICAL 12.7-15-9mm	[P0B18:3: {2.0}(C176,C178)]	*NOT available in DP
4	1.0000	PC			CAP E;1uF;25V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0B18:4: {1.0}(C58)]	*NOT available in DP
5	135.0000	PC			CAP E;47uF;25V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0B18:1: {30.0}(C4,C7,C10,C13,C16,C19,C22,C25-C26,C52,C79-C80,C85-C92,C95-C96,C122-C123,C138-C139,C149,C160,C172-C173)]	*NOT available in DP
6	2.0000	PC			CAP E;1uF;50V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0B18:3: {2.0}(C196-C197)]	*NOT available in DP
7	11.0000	PC			CAP E;10uF;50V;PITCH:2mm5;5mm x 11mm;VERTICAL 12.7-15-9mm	[P0B18:3: {8.0}(C168-C169,C175,C177,C179-C180,C192,C195)]	*NOT available in DP
8	16.0000	PC			CAP E;47uF;63V;PITCH:2mm5;6mm x 11mm;VERTICAL 12.7-15-9mm	[P0B18:2: {16.0}(C184-C199)]	*NOT available in DP
9	4.0000	PC			CAP E;1 mF;6V3;PITCH:5 MM;SIZE:8X11;L: 11+0.5MM;AI;VERTICAL 12.7-15-9mm;85C	[P0B18:3: {4.0}(C184-C187)]	*NOT available in DP
10	16.0000	PC			CAP E;1 mF;6.3 V;20 %;PITCH:5 MM;RADIAL;SIZE:8X11;L: 11+0.5MM;VERTICAL 12.7-15-9mm;85C	[P0B18:2: {16.0}(C118,C121-C135)]	*NOT available in DP
11	20.0000	PC			CAP CER;2.7 nF;50 V;COG;5 %;SMD805	[P0B18:4: {20.0}(C49-C54,C101,C103,C105,C114-C116,C132-C135,C184,C186,C192-C193)]	*NOT available in DP
12	16.0000	PC			CAP CER;15 nF;50 V;COG;5 %;SMD805	[P0B18:3: {4.0}(C269,C274,C280-C281)]	*NOT available in DP
13	1.0000	PC			CAP CER;100nF;100V;20%;PITCH:5mm;DISC;VERTICAL 12.7-15-9mm	[P0AWZ:5: {1.0}(C33)]	*NOT available in DP
14	1.0000	PC			CAP CER;220pF;1KV;Y5P;10%;PITCH:5mm;DISC;VERTICAL 12.7-15-9mm	[P0AWZ:5: {1.0}(C34)]	*NOT available in DP
15	1.0000	PC			CAP CER;1 nF;500 V;COG;5 %;SMD1206	[P0AWZ:5: {1.0}(C23)]	*NOT available in DP
16	1.0000	PC			CAP CER;1 nF;50 V;COG;SMD402	[P0B18:4: {1.0}(C268)]	*NOT available in DP
17	20.0000	PC			CAP CER;150 pF;50 V;COG;5 %;SMD603	[P0B18:4: {20.0}(C61-C63,C75,C77,C79,C93,C95,C97,C102,C104,C106,C145-C146,C162,C164,C174,C176,C185,C187)]	*NOT available in DP
18	2.0000	PC			CAP CER;MULTILAYER;390 pF;50 V;5%;COG;SMD805	[P0B18:2: {2.0}(C164,C182)]	*NOT available in DP
19	2.0000	PC			CAP CER;4.7 uF;6.3 V;X5R;20 %;SMD603	[P0B18:4: {1.0}(C181)]	*NOT available in DP
20	2.0000	PC			CAP CER;10 uF;6.3 V;X5R;10 %;SMD805;YAGEO (CC85KRX5R6BB106)	[P0B18:4: {2.0}(C46,C126)]	*NOT available in DP
21	17.0000	PC			CAP CER;10uF;6V3;X5R;20%;SMT805	[P0B18:4: {14.0}(C2,C4,C9,C20,C34,C42,C109,C119,C122,C124,C137-C138,C159,C169)]	*NOT available in DP
22	8.0000	PC			CAP CER;1uF;10V;X5R;10%;SMD603	[P0B18:4: {5.0}(C89,C166,C178,C190,C195)]	*NOT available in DP
23	19.0000	PC			CAP CER;100nF;10V;X5R;10%;SMT402;	[P0B18:4: {19.0}(C240-C245,C248-C249,C251,C255-C261,C265-C266,C272)]	*NOT available in DP
24	1.0000	PC			CAP CER;10 nF;16 V;Y5V;+80%/-20 %;SMD402	[P0B18:4: {1.0}(C269)]	*NOT available in DP
25	11.0000	PC			CAP CER;100nF;25V;X7R;10%;SMT805	[P0B18:2: {1.0}(C202)]	*NOT available in DP
26	20.0000	PC			CAP CER;10pF;50V;10%;SMT603	[P0B18:2: {16.0}(C204-C205,C207-C208,C210-C211,C213-C214,C216-C217,C219-C220,C222-C223,C225-C226)]	*NOT available in DP
27	2.0000	PC			CAP CER;20pF;50V;20%;SMT603	[P0B18:4: {2.0}(C148,C177)]	*NOT available in DP
28	48.0000	PC			CAP CER;22pF;50V;10%;SMT603	[P0B18:3: {30.0}(C203,C205,C207-C209,C211-C212,C214-C215,C217-C218,C220-C221,C223-C224,C226-C238,C267,C278)]	*NOT available in DP
29	38.0000	PC			CAP CER;47pF;50V;5%;COG(NPO);SMT603	[P0B18:1: {38.0}(C43-C44,C82,C84,C126,C129-C137,C151-C158,C196-C202,C204-C205,C213,C216-C221)]	*NOT available in DP
30	83.0000	PC			CAP CER;100pF;50V;20%;SMT603	[P0B18:1: {4.0}(C93-C94,C113,C125)]	*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
31	54.0000	PC			CAP CER;220pF;50V;10%;SMT603	[P0B18:1: {54.0}]{C1,C28,C30,C32,C34,C36,C38,C40,C42,C54,C57,C60,C63,C66,C69,C72,C75,C78,C98,C100,C102,C104,C106,C108,C110,C112,C140-C148,C150,C159,C161,C175,C181,C183,C185,C187,C189,C195,C203,C206-C212,C215}]	*NOT available in DP
32	64.0000	PC			CAP CER;330pF;50V;C0G;5%;SMD603	[P0B18:2: {8.0}]{C228,C231,C234,C237,C240,C243,C246,C249}]	*NOT available in DP
33	5.0000	PC			CAP CER;470pF;50V;10%;SMT603	[P0B18:4: {5.0}]{C149,C179-C180,C182-C183}]	*NOT available in DP
34	16.0000	PC			CAP CER;1nF;50V;10%;SMT603	[P0B18:4: {13.0}]{C6,C8,C17,C23,C66,C73,C81,C86,C110,C121,C140,C157,C196}]	*NOT available in DP
35	35.0000	PC			CAP CER;1nF;50V;C0G;5%;SMT603;(MURATA GRM1885C1H102JA01D)	[P0B18:3: {32.0}]{C239-C266,C288-C291}]	*NOT available in DP
36	31.0000	PC			CAP CER;10nF;50V;10%;SMT603	[P0B18:3: {2.0}]{C284,C286}]	*NOT available in DP
37	226.0000	PC			CAP CER;100nF;50V;10%;SMT603	[P0B18:1: {25.0}]{C27,C29,C31,C33,C35,C37,C39,C41,C45-C51,C64,C81,C83,C124,C127-C128,C170-C171,C178-C179}]	*NOT available in DP
38	32.0000	PC			CAP CER;47pF;50V;C0G;5%;SMD805	[P0B18:1: {32.0}]{C2-C3,C5-C6,C8-C9,C11-C12,C14-C15,C17-C18,C20-C21,C23-C24,C53,C55-C56,C58-C59,C61-C62,C65,C67-C68,C70-C71,C73-C74,C76-C77}]	*NOT available in DP
39	2.0000	PC			CAP CER;560pF;50V;10%;SMT805	[P0B18:4: {2.0}]{C91,C100}]	*NOT available in DP
40	3.0000	PC			CAP CER;1nF;50V;X7R;10%;SMD805	[P0AWZ:5: {3.0}]{C6,C18,C27}]	*NOT available in DP
41	14.0000	PC			CAP CER;2nF2;50V;C0G;5%;SMD805	[P0B18:2: {14.0}]{C165-C169,C172-C178,C181,C183}]	*NOT available in DP
42	4.0000	PC			CAP CER;100nF;50V;X7R;10%;SMT805	[P0AWZ:5: {4.0}]{C13,C21,C24,C28}]	*NOT available in DP
43	2.0000	PC			CAP CER;15pF;50V;C0G;5%;SMD402;YAGEO	[P0B18:4: {2.0}]{C151-C152}]	*NOT available in DP
44	1.0000	PC			CAP CER;100nF;100V;X7R;10%;SMD1206	[P0AWZ:5: {1.0}]{C19}]	*NOT available in DP
45	16.0000	PC			CAP FILM;220nF;63V;MPF;5%;PITCH:5mm;BOX;VERTICAL 12.7-15-9mm	[P0B18:3: {16.0}]{C25,C29,C51,C56-C57,C62-C63,C68-C69,C74-C75,C80-C81,C86,C145,C151}]	*NOT available in DP
46	4.0000	PC			CAP FILM;470nF;63V;MPF;10%;PITCH:5mm;BOX;VERTICAL 12.7-15-9mm	[P0B18:1: {4.0}]{C214,C222-C223,C229}]	*NOT available in DP
47	4.0000	PC			CAP Y2;1nF;250V;PITCH:7mm5	[P0B18:06: {4.0}]{C12,C14-C16}]	*NOT available in DP
48	1.0000	PC			CAP Y1;1nF;250V;20%;Y5U;PITCH:10mm;PRECUT:3.3	[P0B18:06: {1.0}]{C36}]	*NOT available in DP
49	1.0000	PC	R12-32470-06719	B12-32470-06719	CAP X2;470n;275V;P15;18*16.5*8.5;NOT PRECUT;	[P0B18:06: {1.0}]{C10}]	
50	1.0000	PC			CAP E;100 uF;400 V;20 %;RADIAL;18*35.5;7.5 MM	[P0B18:06: {1.0}]{C35}]	*NOT available in DP
51	1.0000	PC			CAP E;1mF;16V;PITCH:5mm;10mm x 16mm;105C;LOW ESR;VERTICAL 12.7-15-9mm	[P0B18:4: {1.0}]{C64}]	*NOT available in DP
52	4.0000	PC			CAP E;470uF;25V;PITCH:5mm;10mmx16mm;20%;LOW ESR;RAD;VERTICAL 12.7-15-9mm	[P0B18:06: {1.0}]{C5}]	*NOT available in DP
53	1.0000	PC			CAP E;1 mF;10 V;20 %;RADIAL;10*16;5 MM;T&R	[P0AWZ:5: {1.0}]{C11}]	*NOT available in DP
54	4.0000	PC			CAP E;1 mF;16 V;20 %;RADIAL;10*16;5 MM;KF Series	[P0B18:06: {2.0}]{C29-C30}]	*NOT available in DP
55	1.0000	PC			CAP E;LOW ESR;100 uF;63 V;20 %;PITCH:5 MM;RADIAL;10*12.5;VERTICAL 12.7-15-9mm	[P0AWZ:5: {1.0}]{C32}]	*NOT available in DP
56	1.0000	PC			CAP E;LOW ESR;220 uF;63 V;20 %;PITCH:5 MM;RADIAL;10*16;VERTICAL 12.7-15-9mm;KF SERIES	[P0AWZ:5: {1.0}]{C31}]	*NOT available in DP
57	4.0000	PC			CAP CER;1nF;1KV;20%;PITCH:5mm;DISC;VERTICAL 12.7-15-9mm	[P0AWZ:5: {4.0}]{C8-C9,C22,C38}]	*NOT available in DP
58	1.0000	PC			CAP CER;4nF7;1KV;20%;PITCH:5mm;DISC;VERTICAL 12.7-15-9mm	[P0AWZ:5: {1.0}]{C39}]	*NOT available in DP
59	2.0000	PC			CAP E;22uF;50V;PITCH:2mm5;6.3mm x 11mm;VERTICAL 12.7-15-9mm	[P0AWZ:5: {2.0}]{C17,C20}]	*NOT available in DP
60	64.0000	PC			CAP E;LOW LEAK;47 uF;63 V;20 %;PITCH:2.5 MM;RADIAL;6.3X11;PCB AUTO INSERT	[P0B18:1: {32.0}]{C114-C121,C162-C169,C176-C177,C190-C194,C224-C228,C230-C233}]	*NOT available in DP

Circuit Protector

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	R22-00000-79847	B22-00000-79847	FUSE;2 A;250V;RADIAL;PITCH:5MM08;TIME LAG;BEL	[P0B18:06: {1.0}{F1}]	

Coil

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	R37-00000-25508	B37-00000-25508	COIL;CHOKE;500 uH;COIL 7;P5176 T10X5X5 L(S-F);500uH MIN@1KHZ,0.25V	[P0B18:06: {1.0}{L3}]	
2	2.0000	PC	R37-00000-35431	B37-00000-35431	COIL;CHOKE;1000 OHMS;SMD;SMDWCM3216S-102-2P	[P0B18:4: {2.0}{L19,L22}]	
3	1.0000	PC		B37-00000-49770	COIL;CHOKE;3.5 uH;1 OHMS;R4X20 MM;R4X20,L(S-F);3.5uH+/-10@1KHZ,0.25V	[P0B18:06: {1.0}{L6}]	
4	5.0000	PC	R37-00000-72708	B37-00000-72708	COIL;4uH7;20%;SMD;2MM5X2X1MM2	[P0B18:4: {5.0}{L1-L3,L7,L12}]	
5	1.0000	PC		B37-00001-06176	COIL;CHOKE;13 mH;DCR:0.3 OHM;L:8x12 MM;T18X10X10-TS10,L:13MH MIN @1KHZ,0.25V SG	[P0B18:06: {1.0}{L1}]	
6	1.0000	PC		B37-00001-06178	COIL;CHOKE;100 uH;DCR:0.08 OHM;L:8 MM;T60-26 L:100UH+/-10%@1KHZ,0.25V	[P0B18:06: {1.0}{L8}]	
7	3.0000	PC	R37-01603-04435	B37-01603-04435	COIL;CHOKE;1uH6;JUL TUBE;5 x 16m;WIRE DIA:2UEW0mm6;9.5TURNS	[P0B18:06: {3.0}{L2,L4-L5}]	
8	4.0000	PC	R39-00000-03394	B39-00000-03394	COIL;SMD;BEAD;SMD0805;(BLM21BD751SN1D)	[P0B18:4: {4.0}{L4-L5,L16,L23}]	
9	1.0000	PC	R39-00000-03395	B39-00000-03395	COIL;SMD;BEAD;SMD1806;(BLM41P800S)	[P0B18:4: {1.0}{L24}]	
10	4.0000	PC	R39-21202-00018	B39-21202-00018	COIL;SMD BEAD;SMD1608;(MURATA BLM18BB121))	[P0B18:4: {4.0}{L17-L18,L20-L21}]	
11	9.0000	PC	R39-21202-00651	B39-21202-00651	COIL;SMD BEAD;SMD603;(MURATA BLM18AG601SN1))	[P0B18:4: {8.0}{L6,L8-L11,L13-L15}]	
12	2.0000	PC	R44-00000-69527	B44-00000-69527	COIL;BEAD;BULK;3*3.5*1.5;Zmin:30ohm@100MHz		

Connector

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	R83-00000-17806	B83-00000-17806	CONNECTOR;20;1 MM;SMD;FPC20 VERTICAL	[P0B18:4: {1.0}{X1}]	
2	1.0000	PC	R83-00000-17833	B83-00000-17833	CONNECTOR;24;1 MM;SMD;FPC24 VERTICAL	[P0B18:4: {1.0}{X2}]	
3	1.0000	PC	R83-00000-80564	B83-00000-80564	CONNECTOR;24;1 MM;BRASS W TIN;VERTICAL;FPC;1.0D-24P	[P0B18:1: {1.0}{X20}]	
4	1.0000	PC	R83-20184-37925	B83-20184-37925	CONNECTOR;FEMALE;ANGLED;USB;SINGLE;TYPE:B	[P0B18:4: {1.0}{X15}]	
5	1.0000	PC	R83-32046-05188	B83-32046-05188	CONNECTOR;POLES:20;FFC/FPC;CONTACTS:BRASS TINNED;LOWER;HFW20R-1STE1LF;SMD	[P0B18:3: {1.0}{X3}]	
6	7.0000	PC	R84-19056-06015	B84-19056-06015	CONNECTOR;TERMINAL;BRASS W TIN;AWG16-22;JS-4008-T		
7	10.0000	PC	R84-22000-06018	B84-22000-06018	CRIMP TERMINAL;PITCH:3mm96;AWG18-22;A3963TOP-2		
8	12.0000	PC	R84-25016-06014	B84-25016-06014	CRIMP TERMINAL;PITCH:2mm0;AWG24-30;A2008TOP-2		
9	1.0000	PC	R84-42050-00155	B84-42050-00155	CRIMP CONNECTOR;LUG;INNER DIA:4mm3;AWG 14-18;WIRE MOUNT;STRAIGHT		
10	2.0000	PC	R93-00000-51731	B93-00000-51731	BARE WIRE;2;SMD1206	[P0B18:4: {2.0}{R70,R199}]	
11	8.0000	PC	R95-00001-08282	B95-00001-08282	CONNECTOR;XLR;POLES:4;WITH EARTH PIN	[P0B18:1: {8.0}{X1-X8}]	
12	16.0000	PC	R95-00001-08284	B95-00001-08284	CONNECTOR;COMBO;POLES:8;WITH EARTH PIN	[P0B18:1: {16.0}{X10-X17,X21-X28}]	

Diode

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC			DIODE;SCHOTTKY;40 V;DO201AD;3A;40V;1N5822	[P0B18:06: {1.0}(D7)]	*NOT available in DP
2	65.0000	PC			DIODE;BAV103;SOD80;TEMIC	[P0B18:2: {64.0}(D31-D58,D60-D61,D64-D97)]	*NOT available in DP
3	22.0000	PC			DIODE;BAV99;SOT23;SMD	[P0B18:1: {4.0}(D1-D4)]	*NOT available in DP
4	3.0000	PC			DIODE;ER502;DO201AD	[P0B18:06: {3.0}(D2,D4,D11)]	*NOT available in DP
5	19.0000	PC			DIODE;LL4148;LL34;TEMIC OR FC;SMD	[P0B18:2: {16.0}(D98-D113)]	*NOT available in DP
6	1.0000	PC			DIODE;SM4007;5mm2 x 2mm7;SMT	[P0AWZ:5: {1.0}(D3)]	*NOT available in DP
7	32.0000	PC			DIODE;ZMM08V2;SMD1206;SMD	[P0B18:2: {1.0}(D114)]	*NOT available in DP
8	32.0000	PC			DIODE;ZMM12V0;SMD1206	[P0B18:3: {32.0}(D15-D42,D44-D47)]	*NOT available in DP
9	1.0000	PC			DIODE;ZMM18V0;SMD1206	[P0AWZ:5: {1.0}(D8)]	*NOT available in DP
10	1.0000	PC			DIODE;RECTIFIER;600 V;DO201AD;3A;ER306	[P0B18:06: {1.0}(D5)]	*NOT available in DP
11	1.0000	PC			DIODE;RECTIFIER;20A;100V;MBR20100FCT;ITO220AB	[P0B18:06: {1.0}(D10)]	*NOT available in DP
12	1.0000	PC	X80-00540-40600	H80-00540-40600	RECTIFIER;BRIDGE;KBL408;	[P0B18:06: {1.0}(D6)]	

Hardware

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	2.0000	PC			CABLE TIE;NYLON;4in;COLOR:		*NOT available in DP
2	0.5000	G			THERM-GREASE;COLOR:WHT;SPEC.NO:09286		*NOT available in DP
3	1.2800	G			SCREWLOCK;SPEC.NO:01090		*NOT available in DP
4	3.0000	PC			OCT. NUT;FOR JACK;3/8in;OCTWRENCH:14.5mm;THICKNESS:3.5mm;SURFACE:NICK EL/SILVER		*NOT available in DP
5	8.0000	PC			SCREW;DIA:4 MM;LEN:18 MM;FLAT 8.0mm;ZINC;BLACK;CROSS REC.;M4X18 MACHINE SCREW		*NOT available in DP
6	4.0000	PC			SCREW;M3mm*8mm;HEAD:PAN SPRING WASHER;INSERT:PHILIPS REC.;SURFACE:SILVER/NIC		*NOT available in DP
7	8.0000	PC			SCREW;M3mm*5mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:SILVER ZINC		*NOT available in DP
8	19.0000	PC			SCREW;M3mm*6mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:SILVER/ZINC		*NOT available in DP
9	16.0000	PC			SCREW;M3mm*6mm;PITCH:0mm5;HEAD:FLAT;DIA:5mm2;INSERT:PHILIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
10	50.0000	PC			SCREW;A3mm*10mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
11	1.0000	PC			SCREW;M4mm*8mm;HEAD:BINDING;INSERT:PHILIPS REC.;SURFACE:SILVER/ZINC		*NOT available in DP
12	4.0000	PC			SCREW;M4mm*10mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:SILVER/ZINC		*NOT available in DP
13	4.0000	PC			SCREW;M4mm*10mm;HEAD:PAN;INSERT:PHILIPS REC.;SURFACE:BLACK/ZINC		*NOT available in DP
14	200.0000	MM		F89-00001-23537	TAPE;INSULATION;PZ-280;COLOR:YE;WIDTH:16mm		
15	1.0000	PC	V89-07000-00000	F89-07000-00000	INSULATION SHEET;SI-RUBBER;TO220 W/HOLE		
16	1.0000	PC			SILICA GEL;MASS;20g;SPEC.NO:20QB-BB2001-4		*NOT available in DP
17	6.0000	PC			STUD;DIA:3 MM;LEN:16.5 MM;POB18 STUD1		*NOT available in DP
18	4.0000	PC			STUD;DIA:3 MM;LEN:16.5 MM;STUD2		*NOT available in DP
19	0.0620	M			SHRINKING TUBE;INNER DIA;1mm;SPEC.NO:43217		*NOT available in DP
20	0.0880	M			SHRINKING TUBE;INNER DIA;1mm5;SPEC.NO:01096		*NOT available in DP
21	3.0000	PC			WASHER;9.7 MM;16 MM;NICKEL;WHITE;WASHER;FLAT;DIM:9.7*16*0.5mm;NIC		*NOT available in DP
22	1.0000	PC			WASHER;EXTERNAL TEETH;INNER DIA:4mm;OUTER DIA:7mm;THICKNESS;1mm7		*NOT available in DP
23	1.0000	PC		F97-00001-04813	PLASTIC;PC_SHEET;POAWZ_PC-SHEET		
24	1.0000	PC		F97-00001-17867	FOAM SHEET;POB18 ALUMINUM FOIL SPONGE		
25	1.0000	PC		F97-00001-23042	INSULATION SHEET;BLACK;POAWZ-COMMON CHOKE INSULATION SHEET		
26	1.0000	PC			BUSHING;MINIATURE;NYLON;DWG.NO:27886;(R20-SC-PLA_NYLBUSHM3x1_4.DWG)		*NOT available in DP

Ic

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	S60-00000-21615	C60-00000-21615	IC;AD/DA;LQFP;48;D/A CONVERTER;CS4385-CQZ	[P0B18:4: {1.0}]{IC11}]	
2	2.0000	PC		C60-00001-50075	IC;AD/DA;LQFP;PINS:48;M8000 OCTAL AUDIO ADC	[P0B18:3: {2.0}]{IC26-IC27}]	
3	55.0000	PC	S73-59458-00508	C73-00000-29050	IC;OPAMP;SMD;SOP;8;BA4580RF	[P0B18:1: {9.0}]{IC2-IC10}]	
4	1.0000	PC	S73-58007-40514	C73-31007-40514	IC;OPAMP OPAMP;TL074;SOP;	[P0B18:1: {1.0}]{IC11}]	
5	2.0000	PC	S73-58007-22208	C73-58007-22208	IC;OPAMP OPAMP;TL072;SOP;BRAND:ST ONLY	[P0B18:1: {2.0}]{IC12-IC13}]	
6	1.0000	PC	S73-59458-00408	C73-59458-00408	IC;OPAMP OPAMP;NJM4580L;SIP	[P0B18:1: {1.0}]{IC11}]	
7	5.0000	PC	S74-00000-29817	C74-00000-29817	IC;POWER-CONVERSION;AIC2354GV5;SOT-23-5;SMD	[P0B18:4: {5.0}]{IC1-IC2,IC4,IC16,IC18}]	
8	1.0000	PC	S75-00226-90508	C75-00226-90508	IC;PWM;OB2269C;SOP8	[P0AWZ:5: {1.0}]{IC1}]	
9	1.0000	PC	S77-00000-21793	C77-00000-21793	IC;VOLT.REGULATOR;TO220;5;LM2576T-ADJG	[P0B18:06: {1.0}]{IC4}]	
10	1.0000	PC	S77-00107-03115	C77-00107-03115	IC;VOLT.REGULATOR;LM317HVT;TO220	[P0B18:06: {1.0}]{IC3}]	
11	1.0000	PC	S77-00128-03000	C77-00128-03000	IC;VOLT.REGULATOR;ZENERSHUNT.REGULATOR;SOT23;LM431ACM3/N1	[P0AWZ:5: {1.0}]{IC2}]	
12	2.0000	PC	S77-00128-03001	C77-00128-03001	IC;VOLT.REGULATOR;ADJUSTABLE;SOT223;NCP1117STAT3;SMD	[P0B18:3: {1.0}]{IC28}]	
13	2.0000	PC	S77-00155-03001	C77-00155-03001	IC;VOLT.REGULATOR;ADJUSTABLE;DPAK;NCP1117DTARKG;SMD	[P0B18:3: {1.0}]{IC25}]	
14	1.0000	PC	T10-00000-18827	D10-00000-18827	IC;ASIC;MSOP;10;CS2000CP-CZZR	[P0B18:4: {1.0}]{IC8}]	
15	1.0000	PC		D10-00000-38704	IC;ASIC;QFP;144;Xilinx Spartan 6 FPGA XC6SLX4 TQG144*	[P0B18:4: {1.0}]{IC6}]	
16	1.0000	PC	T10-00000-78020	D10-00000-78020	IC;ASIC;124;SMD;XS1-L16A-128-QF124-C10	[P0B18:4: {1.0}]{IC23}]	
17	1.0000	PC	T10-00000-78031	D10-00000-78031	IC;USB Transceiver;QFN;32;SMD;USB3340	[P0B18:4: {1.0}]{IC29}]	
18	1.0000	PC	T10-00000-87977	D10-00000-87977	IC;RF TRANSCEIVER;SMD;PINS:36;MRF24WG0MB	[P0B18:4: {1.0}]{IC3}]	
19	1.0000	PC	T12-00000-18249	D12-00000-18249	IC;DIG COMM.;QFN;24;SMD;LAN8720A-CP-TR	[P0B18:4: {1.0}]{IC28}]	
20	2.0000	PC	T17-00001-16874	D17-00001-16874	IC;SDRAM;SMD;TSP;PINS:54;TAPE AND REEL;MT48LC8M16A2P-6A:L	[P0B18:4: {2.0}]{IC7,IC20}]	
21	1.0000	PC		D18-00000-60671	IC;DSP;LQFP;176;ADSP-21488KSWZ-4B	[P0B18:4: {1.0}]{IC5}]	
22	1.0000	PC		D19-00000-87979	IC;FLASH MEMORY;SMD;SOIC;PINS:8;W25Q64FVSSIG		
23	1.0000	PC	T19-00074-05121	D19-00074-05121	IC;FLASH MEMORY;W25X40CLSNIG;SMD;SOIC-8		
24	1.0000	PC	T22-00000-18232	D22-00000-18232	IC;LOGIC;5;74LVC1G07GV;SOT753;SMD	[P0B18:4: {1.0}]{IC31}]	
25	1.0000	PC	T22-00000-78023	D22-00000-78023	IC;LOGIC;BUFFER;SC70-6;SMD;NC7WZ07P6X	[P0B18:4: {1.0}]{IC9}]	
26	1.0000	PC	T22-27024-50520	D22-27024-50520	IC;LOGIC;74LVC245;SOP	[P0B18:4: {1.0}]{IC25}]	
27	18.0000	PC	T22-32059-50520	D22-32059-50520	IC;LOGIC;74HCT595;SOP	[P0B18:2: {18.0}]{IC1-IC18}]	
28	1.0000	PC	T24-48030-02803	D24-48030-02803	IC;MICROCONTROLLER;MAX809STRG;Vth:2.93V;SOT	[P0B18:4: {1.0}]{IC19}]	
29	1.0000	PC	T28-54427-20628	D28-54427-20628	IC;DIGITAL AUDIO;CS4272;AUDIO CODEC;TSSOP28	[P0B18:4: {1.0}]{IC17}]	
30	32.0000	PC	T30-00000-61526	D30-00000-61526	IC;SWITCH/MUPLEX;SMD;SOIC;16;V411	[P0B18:2: {16.0}]{IC43-IC58}]	
31	1.0000	PC	T33-00000-29831	D33-00000-29831	IC;MICROCONTROLLER, PROGRAMMED;MCIMX253DJM4A;17X17 MAPBGA-400;SMD	[P0B18:4: {1.0}]{IC21}]	
32	1.0000	PC		D33-00001-20154	IC;MICROCONTROLLER, PROGRAMMED;FIRMWARE X(R)18 W25Q64FVSSIG V1.6	[P0B18:4: {1.0}]{IC15}]	
33	1.0000	PC		D33-00001-20159	IC;MICROCONTROLLER, PROGRAMMED;FIRMWARE X(R)18 W25X40CLSNIG; V1.0	[P0B18:4: {1.0}]{IC22}]	

Led

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	U10-00000-04901	E10-00000-04901	LED H18;3mm0 ROUND;AMBER;BULK;W/RING	[P0B18:4: {1.0}]{LD3}]	
2	2.0000	PC		E10-07640-02120	LED H18;SMD;RED;REFLECTOR;WATER CLEAR	[P0B18:4: {2.0}]{LD1-LD2}]	

Metal Part

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC		A60-00001-56356	METAL;SHIELD;P0AWZ;MATERIAL:SILICON STEEL;BLANKING + PUNCHING;SPRAYING;COMMON CHOKE MODE SHIELD;REVB		
2	1.0000	PC		A62-00000-95255	METAL;P0AWZ;SECC 0.5mm;COVER;STAMPING;PSU COVER;REVA		
3	1.0000	PC		A62-00000-95257	METAL;P0AWZ;ALU 1.5mm;BRACKET;STAMPING;PSU BRACKET;REVA		
4	1.0000	PC	Q63-00000-95744	A63-00000-95744	METAL;HEATSINK;P0AWZ;MATERIAL:AL 6063;EXTRUSION, CUTTING;X18-HEATSINK01	[P0B18:06: {1.0}]{HS3}]	
5	1.0000	PC		A63-00000-95747	METAL;HEATSINK;P0AWZ;MATERIAL:AL 6063;EXTRUSION, CUTTING;X18-HEATSINK02	[P0B18:06: {1.0}]{HS1}]	
6	1.0000	PC		A63-00000-95749	METAL;HEATSINK;P0AWZ;MATERIAL:AL 6063;EXTRUSION, CUTTING;X18-HEATSINK03	[P0B18:06: {1.0}]{HS2}]	
7	2.0000	PC	Q65-00000-24959	A65-00000-24959	METAL;P0274;SPCC 0.8mm;MOUNT;BENDING + PUNCHING;PLATING TIN;MOUNTING HELP;J00053P;REV:B	[P0B18:4: {2.0}]{M17-M18}]	
8	2.0000	PC	Q65-00001-04055	A65-00001-04055	METAL;HANDLE;P0B18;MATERIAL:COPPER;BENDING + MACHINING;PLATING NICKEL;SILVER;HANDLE REV.A		
9	2.0000	PC	Q65-00001-04078	A65-00001-04078	METAL;RACK;P0B18;MATERIAL:SECC 2.0;PUNCHING AND BENDING, PAINTING;DARK GRAY METALLIC;SIDE RACK MOUNT REV.A		
10	1.0000	PC		A65-00001-18299	METAL;SHEET;P0B18;MATERIAL:TIN PLATE T=0.3 MM;PUNCHING AND BENDING;SHIELDING SHEET REV.A		
11	1.0000	PC	Z02-00001-24629	J02-00001-24629	METAL;COVER;P0B18;MATERIAL:SECC 1.2mm;BENDING + PUNCHING;PAINTING NORMAL;GRAY DARK;FRONT; A001		
12	1.0000	PC		J02-00001-24630	METAL;COVER;P0B18;MATERIAL:SECC 1.2mm;BENDING + PUNCHING;PAINTING NORMAL;GRAY DARK; REAR COVER RIGHT; A001		

Plastic Part

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	2.0000	PC	W51-00001-28386	G51-00001-28386	PLASTIC;FEET;P0B18;TPR (Thermoplastic Rubber);INJECTION;MATT;BLACK;SIDE RUBBER BUMPER REV.B		
2	1.0000	PC	W52-00000-71298	G52-00000-71298	PLASTIC;KNOB;P0AWZ;ABS;2-SHOT INJECTION MOULDING;YS9287;WARM GRAY 6C;BLACK;ROTARY KNOB;REV:A		
3	1.0000	PC	W58-00001-04051	G58-00001-04051	PLASTIC;HOLDER;P0B18;NYLON;INJECTION;BLACK;ANTENNA HOLDER REV.A		
4	1.0000	PC	W58-00300-08619	G58-00300-08619	PLASTIC;SPACER;PC;MOULDING;BLACK;3MM VERTICAL;DST.NO:003;DPT.NO:08619;(I00129P-LED_SPACER-REVC.DWG)	[P0B18:4: {1.0}]{M16}]	

Plug Socket

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	3.0000	PC	W64-01211-03174	G64-01211-03174	PLUG;JACK STEREO 6mm3;STRAIGHT SOLDER;W/O MET.RNG.;MET.BUSH.;NO NUT/WASHER;(JY-6351G-02-250)	[POBI8:1: {3.0}(X9,X18-X19)]	
2	1.0000	PC	W67-00000-72273	G67-00000-72273	AC SOCKET;WITH SW; 30MM HIGH;SIZE:41X30	[POBI8:5: {1.0}(X29)]	
3	3.0000	PC	W71-00000-83884	G71-00000-83884	PCB SOCKET;PIN SOCKET;48;ROWS:2;STRAIGHT;2,54 MM	[POBI8:1: {1.0}(X29)]	
4	3.0000	PC	W71-00000-83886	G71-00000-83886	PIN HEAD;48;ROWS:2;STRAIGHT;PITCH:2MM54;10MM5 HEIGHT	[POBI8:2: {3.0}(X1-X3)]	
5	2.0000	PC		G71-15102-50445	PIN HEADER;POLES:2;STRAIGHT;PITCH:2.54 mm;1 ROW;1001-02-S	[POBI8:4: {2.0}(X7-X8)]	
6	1.0000	PC	W71-23103-04757	G71-23103-04757	WAFER;POLES:3;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-3P	[POBI8:4: {1.0}(X11)]	
7	1.0000	PC	W71-23112-04751	G71-23112-04751	WAFER;POLES:12;STRAIGHT;PITCH:2 mm;1 ROW;TYPE:A2006WV-12P	[POBI8:06: {1.0}(X3)]	
8	1.0000	PC	W71-27102-04450	G71-27102-04450	WAFER;POLES:2;STRAIGHT;PITCH:3.96 mm;1 ROW;JS1120-03-S1;NO MIDDLE PIN	[POBI8:06: {1.0}(X4)]	
9	1.0000	PC	W71-27107-04763	G71-27107-04763	WAFER;POLES:7;STRAIGHT;PITCH:3.96 mm;1 ROW;JS1120-07	[POBI8:4: {1.0}(X4)]	
10	1.0000	PC	W71-43112-06004	G71-43112-06004	PLUG;HOUSING;POLES:12;ROWS:1;STRAIGHT;PITCH:2mm;TYP:A2008		
11	1.0000	PC	W71-47103-05845	G71-47103-05845	PLUG;HOUSING;A3963H02;PITCH:3mm96;POLES:3;ROWS:1;UL94-V0;STRAIGHT		
12	1.0000	PC	W71-47107-06748	G71-47107-06748	PLUG;HOUSING;A3963H02;PITCH:3mm96;POLES:7;ROWS:1;UL94-V0;STRAIGHT		
13	1.0000	PC	W71-47107-06760	G71-47107-06760	PLUG;HOUSING;P:3mm96;STRAIGHT;ROWS:1;POLES:7;TYP:JS4008		
14	12.0000	PC	W71-80000-05663	G71-80000-05663	BD-IN-CONN;TERMINAL;SAN-002T-0.8A		
15	1.0000	PC	W71-83112-05657	G71-83112-05657	BOARD-IN-CONNECTOR;POLES:12;ROWS:1;STRAIGHT;PITCH:2 mm		
16	1.0000	PC	W76-00000-02200	G76-00000-02200	PLUG;RJ45;DUAL ROW;ANGLED	[POBI8:4: {1.0}(X16)]	
17	1.0000	PC	W76-00000-18427	G76-00000-18427	PLUG;DIN;RJ45;8;2.54 MM;RJ45-112-8P8C-EP	[POBI8:4: {1.0}(X14)]	
18	2.0000	PC	W76-10580-03132	G76-10580-03132	PLUG;DIN;PLUG;FEMALE;POLES:5;ANGLED	[POBI8:4: {2.0}(X12-X13)]	

Power Supply

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC		J63-00000-97640	TRANSFORMER;POAWZ;10;ER2828.L(3-1);460UH+/-10%@1KHz,0.25V.SG	[POBI8:06: {1.0}(TR1)]	
2	1.0000	PC	Z63-00000-97641	J63-00000-97641	TRANSFORMER;POAWZ;10;ER2828.L(3-1);460UH+/-10%@1KHz,0.25V,SECOND		

Quarz

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	X64-00000-29819	H64-00000-29819	QUARZ;OSCILLATOR;25 MHz;8pF;5X3MM2;SMD	[POBI8:4: {1.0}(Q3)]	
2	1.0000	PC	X64-00000-78019	H64-00000-78019	QUARZ;OSCILLATOR;13 MHz;SMD;3.3V;SIZE:7X5X1.5	[POBI8:4: {1.0}(Q4)]	
3	1.0000	PC		H64-00000-98368	QUARZ;OSCILLATOR;24 MHz;3V3;15pF;50PPM;SMD;7X5	[POBI8:4: {1.0}(Q1)]	
4	1.0000	PC	X65-00000-38720	H65-00000-38720	QUARZ;RESONATOR;32.768 kHz;SMD;3.2*1.5	[POBI8:4: {1.0}(Q2)]	

Resistor

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	16.0000	PC			RESISTOR;METAL;110 ohm;0W100;1 %;100 PPM;SMD603;MET	[POB18:2: {16.0}(R152,R156,R158,R162,R164,R168,R170,R174,R176,R180,R182,R186,R188,R192,R194,R198)]	*NOT available in DP
2	32.0000	PC			RESISTOR;METAL;130 ohm;0W100;1 %;100 PPM;SMD603;MET	[POB18:2: {32.0}(R105-R106,R111-R112,R117-R118,R123-R124,R129-R130,R135-R136,R141-R142,R147-R148,R153-R154,R159-R160,R165-R166,R171-R172,R177-R178,R183-R184,R189-R190,R195-R196)]	*NOT available in DP
3	32.0000	PC			RESISTOR;METAL;100 ohm;0W100;1 %;100 PPM;SMD603;MET	[POB18:1: {32.0}(R4-R5,R9-R10,R14-R15,R19-R20,R24-R25,R29-R30,R34-R35,R39-R40,R84-R85,R107-R108,R110-R111,R113-R114,R117-R118,R120-R121,R123-R124,R126-R127)]	*NOT available in DP
4	16.0000	PC			RESISTOR;METAL;15 ohm;0W100;1 %;100 PPM;SMD603;MET	[POB18:2: {16.0}(R7,R11,R13,R17,R19,R23,R25,R29,R31,R35,R37,R41,R43,R47,R49,R53)]	*NOT available in DP
5	1.0000	PC			RESISTOR;METAL;23.7 kohm;0W100;1 %;SMD805;MET	[POAWZ:5: {1.0}(R34)]	*NOT available in DP
6	32.0000	PC			RESISTOR;METAL;62 ohm;0W100;1 %;100 PPM;SMD603;MET	[POB18:2: {32.0}(R103,R107,R109,R113,R115,R119,R121,R125,R127,R131,R133,R137,R139,R143,R145,R149,R151,R155,R157,R161,R163,R167,R169,R173,R175,R179,R181,R185,R187,R191,R193,R197)]	*NOT available in DP
7	10.0000	PC			RESISTOR;CARBON;4.7 kohm;0.0625 W;5 %;100 ppm;SMD402	[POB18:4: {10.0}(R221-R222,R227-R234)]	*NOT available in DP
8	16.0000	PC			RESISTOR;METAL;11 ohm;0W0625;1 %;200 PPM;SMD603;THICK FILM	[POB18:2: {16.0}(R55,R59,R61,R65,R67,R71,R73,R77,R79,R83,R85,R89,R91,R95,R97,R101)]	*NOT available in DP
9	16.0000	PC			RESISTOR;METAL;27 ohm;0W0625;1 %;200 PPM;SMD603;THICK FILM	[POB18:2: {16.0}(R56,R60,R62,R66,R68,R72,R74,R78,R80,R84,R86,R90,R92,R96,R98,R102)]	*NOT available in DP
10	32.0000	PC			RESISTOR;THICK FILM;6K8 ohm; 1%;SMD1210	[POB18:2: {32.0}(R472-R485,R516-R531,R536-R537)]	*NOT available in DP
11	1.0000	PC			RESISTOR;THICK FILM;33 ohm;1W;5 %;SMD2512	[POB18:4: {1.0}(R169)]	*NOT available in DP
12	3.0000	PC			RESISTOR;CARBON;0ohm;5%;0W063;SMD603	[POB18:4: {3.0}(R21,R66-R67)]	*NOT available in DP
13	1.0000	PC			RESISTOR;CARBON;2ohm2;5%;0W063;SMD603	[POB18:4: {1.0}(R129)]	*NOT available in DP
14	35.0000	PC			RESISTOR;CARBON;33ohm;5%;0W063;SMD603	[POB18:4: {30.0}(R11,R37,R45-R46,R60-R61,R69,R76-R79,R82,R85-R86,R100-R102,R106,R108,R121,R123,R130-R131,R152,R161-R165,R173)]	*NOT available in DP
15	3.0000	PC			RESISTOR;CARBON;47ohm;5%;0W063;SMD603	[POB18:4: {3.0}(R7-R8,R204)]	*NOT available in DP
16	2.0000	PC			RESISTOR;CARBON;68ohm;5%;0W063;SMD603	[POB18:4: {2.0}(R9-R10)]	*NOT available in DP
17	1.0000	PC			RESISTOR;CARBON;150ohm;5%;0W063;SMD603	[POB18:4: {1.0}(R246)]	*NOT available in DP
18	1.0000	PC			RESISTOR;CARBON;200ohm;5%;0W063;SMD603	[POB18:4: {1.0}(R99)]	*NOT available in DP
19	2.0000	PC			RESISTOR;CARBON;330ohm;5%;0W063;SMD603	[POB18:4: {2.0}(R4,R97)]	*NOT available in DP
20	9.0000	PC			RESISTOR;CARBON;1Kohm;5%;0W063;SMD603	[POB18:4: {8.0}(R96,R103,R107,R122,R132,R153,R180,R186)]	*NOT available in DP
21	2.0000	PC			RESISTOR;CARBON;2Kohm;5%;0W063;SMD603	[POB18:4: {1.0}(R98)]	*NOT available in DP
22	4.0000	PC			RESISTOR;CARBON;2Kohm2;5%;0W063;SMD603	[POB18:4: {4.0}(R73-R74,R126,R143)]	*NOT available in DP
23	20.0000	PC			RESISTOR;CARBON;4Kohm7;5%;0W063;SMD603	[POB18:4: {15.0}(R12,R36,R65,R68,R128,R142,R158,R193-R198,R200-R201)]	*NOT available in DP
24	20.0000	PC			RESISTOR;CARBON;10Kohm;5%;0W063;SMD603	[POB18:1: {4.0}(R57-R60)]	*NOT available in DP
25	10.0000	PC			RESISTOR;CARBON;20Kohm;5%;0W063;SMD603	[POB18:4: {10.0}(R15-R20,R22-R25)]	*NOT available in DP
26	17.0000	PC			RESISTOR;CARBON;47Kohm;5%;0W063;SMD603	[POB18:2: {16.0}(R458-R471,R500-R501)]	*NOT available in DP
27	2.0000	PC			RESISTOR;METAL;10ohm;1%;0W063;SMD603	[POB18:4: {2.0}(R154-R155)]	*NOT available in DP
28	16.0000	PC			RESISTOR;METAL;33ohm;1%;0W063;SMD603	[POB18:2: {16.0}(R8,R12,R14,R18,R20,R24,R26,R30,R32,R36,R38,R42,R44,R48,R50,R54)]	*NOT available in DP
29	16.0000	PC			RESISTOR;METAL;51 ohm;1%;0W063;SMD603	[POB18:3: {8.0}(R192,R228,R234,R240,R246,R252,R258,R321)]	*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
30	4.0000	PC			RESISTOR;METAL;51ohm1;1%;METAL;0W063;SMD603	[POBI8:4: {4.0}(R241-R244)]	*NOT available in DP
31	48.0000	PC			RESISTOR;METAL;120ohm;1%;0W063;SMD603	[POBI8:2: {16.0}(R104,R108,R110,R114,R116,R120,R122,R126,R128,R132,R134,R138,R140,R144,R146,R150)]	*NOT available in DP
32	1.0000	PC			RESISTOR;METAL;357ohm;1%;0W063;SMD603	[POBI8:4: {1.0}(R62)]	*NOT available in DP
33	16.0000	PC			RESISTOR;METAL;390ohm;1%;0W063;SMD603	[POBI8:2: {16.0}(R57-R58,R63-R64,R69-R70,R75-R76,R81-R82,R87-R88,R93-R94,R99-R100)]	*NOT available in DP
34	16.0000	PC			RESISTOR;METAL;470ohm;1%;0W063;SMD603	[POBI8:2: {16.0}(R9-R10,R15-R16,R21-R22,R27-R28,R33-R34,R39-R40,R45-R46,R51-R52)]	*NOT available in DP
35	2.0000	PC			RESISTOR;METAL;499ohm;1%;0W063;SMD603	[POBI8:4: {2.0}(R71,R80)]	*NOT available in DP
36	48.0000	PC			RESISTOR;SMD;METAL;910ohm;1%;0W063;SMD603	[POBI8:3: {32.0}(R176-R177,R193,R195,R198-R199,R202-R203,R206-R207,R210-R211,R214-R215,R218-R219,R229,R231,R235,R237,R241,R243,R247,R249,R253,R255,R259,R261,R318-R319,R322,R324)]	*NOT available in DP
37	52.0000	PC			RESISTOR;METAL;1Kohm;1%;0W063;SMD603	[POBI8:2: {24.0}(R302,R304-R305,R307-R308,R310-R311,R313-R314,R316-R317,R319-R320,R322-R323,R325,R358-R365)]	*NOT available in DP
38	3.0000	PC			RESISTOR;METAL;1Kohm05;1%;0W063;SMD603	[POBI8:4: {3.0}(R104-R105,R141)]	*NOT available in DP
39	17.0000	PC			RESISTOR;METAL;1Kohm3;1%;0W063;SMD603	[POBI8:3: {16.0}(R160-R161,R179-R190,R315-R316)]	*NOT available in DP
40	4.0000	PC			RESISTOR;METAL;2Kohm;1%;0W063;SMD603	[POBI8:4: {4.0}(R1-R2,R14,R84)]	*NOT available in DP
41	16.0000	PC			RESISTOR;METAL;2Kohm2;1%;0W063;SMD603	[POBI8:3: {1.0}(R157)]	*NOT available in DP
42	1.0000	PC			RESISTOR;METAL;2Kohm4;1%;0W063;SMD603	[POBI8:4: {1.0}(R13)]	*NOT available in DP
43	20.0000	PC			RESISTOR;METAL;2Kohm67;1%;0W063;SMD603	[POBI8:4: {20.0}(R38-R43,R110-R111,R113-R114,R116-R117,R135-R138,R188-R189,R191-R192)]	*NOT available in DP
44	16.0000	PC			RESISTOR;SMT;2Kohm7;1%;METAL;0W063;SMD603	[POBI8:3: {15.0}(R191,R196,R227,R232-R233,R238-R239,R244-R245,R250-R251,R256-R257,R262,R320)]	*NOT available in DP
45	32.0000	PC			RESISTOR;METAL;3Kohm30;1%;0W063;SMD603	[POBI8:2: {32.0}(R303,R306,R309,R312,R315,R318,R321,R324,R326-R327,R329-R331,R333-R335,R337-R339,R341-R343,R345-R347,R349-R351,R353-R355,R357)]	*NOT available in DP
46	1.0000	PC			RESISTOR;METAL;3Kohm57;1%;0W063;SMD603	[POBI8:4: {1.0}(R207)]	*NOT available in DP
47	8.0000	PC			RESISTOR;METAL;4Kohm7;1%;0W063;SMD603	[POBI8:1: {8.0}(R180-R183,R186-R187,R194-R195)]	*NOT available in DP
48	16.0000	PC			RESISTOR;METAL;5Kohm6;1%;0W063;SMD603	[POBI8:4: {16.0}(R47,R50-R51,R54-R55,R58,R89,R92,R95,R109,R112,R115,R148,R151,R179,R190)]	*NOT available in DP
49	16.0000	PC			RESISTOR;METAL;9Kohm09;1%;0W063;SMD603	[POBI8:3: {16.0}(R156,R159,R162-R173,R301-R302)]	*NOT available in DP
50	187.0000	PC			RESISTOR;METAL;10Kohm;1%;0W063;SMD603	[POBI8:1: {72.0}(R1-R3,R6-R8,R11-R13,R16-R18,R21-R23,R26-R28,R31-R33,R36-R38,R41,R43,R45,R47,R49,R51,R53,R55,R61-R68,R71-R74,R76-R78,R80-R82,R86-R87,R89-R91,R93-R95,R97-R99,R101-R103,R130-R133,R158-R161)]	*NOT available in DP
51	1.0000	PC			RESISTOR;METAL;12Kohm1;1%;0W063;SMD603	[POBI8:4: {1.0}(R172)]	*NOT available in DP
52	16.0000	PC			RESISTOR;METAL;12Kohm4;1%;0W063;SMD603	[POBI8:4: {16.0}(R48-R49,R52-R53,R56-R57,R87-R88,R90-R91,R93-R94,R149-R150,R177-R178)]	*NOT available in DP
53	2.0000	PC			RESISTOR;METAL;16Kohm;1%;0W063;SMD603	[POBI8:4: {1.0}(R125)]	*NOT available in DP
54	48.0000	PC			RESISTOR;METAL;20Kohm;1%;0W063;SMD603	[POBI8:1: {16.0}(R75,R79,R83,R88,R92,R96,R100,R104,R129,R137,R154-R157,R178-R179)]	*NOT available in DP
55	32.0000	PC			RESISTOR;METAL;47Kohm;1%;0W063;SMD603	[POBI8:3: {32.0}(R222,R225,R263-R264,R266,R269,R272,R275,R278,R281,R284,R287,R290,R293,R296,R299,R303-R314,R326,R329,R331-R332)]	*NOT available in DP
56	16.0000	PC			RESISTOR;METAL;68Kohm;1%;0W063;SMD603	[POBI8:2: {9.0}(R415-R423)]	*NOT available in DP
57	16.0000	PC			RESISTOR;METAL;180Kohm;1%;0W063;SMD603	[POBI8:3: {15.0}(R175,R178,R197,R200-R201,R204-R205,R208-R209,R212-R213,R216-R217,R220,R317)]	*NOT available in DP
58	1.0000	PC			RESISTOR;METAL;470Kohm;1%;0W063;SMD603	[POBI8:4: {1.0}(R185)]	*NOT available in DP
59	4.0000	PC			RESISTOR;METAL;1Mohm;1%;0W063;SMD603	[POBI8:1: {4.0}(R215-R216,R224-R225)]	*NOT available in DP
60	1.0000	PC			RESISTOR;METAL;11Kohm3;1%;PPM100;0W063;SMD603	[POBI8:4: {1.0}(R124)]	*NOT available in DP

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
61	12.0000	PC			RESISTOR;CARBON;0ohm;5%;0W1;SMD805	[P0B18:4: {12.0}(R5-R6,R26-R27,R31-R33,R118-R120,R139-R140)]	*NOT available in DP
62	4.0000	PC			RESISTOR;CARBON;2ohm2;5%;0W1;SMD805	[P0B18:4: {4.0}(R159,R166-R168)]	*NOT available in DP
63	16.0000	PC			RESISTOR;CARBON;5ohm1;5%;0W1;SMD805	[P0B18:2: {3.0}(R299-R301)]	*NOT available in DP
64	65.0000	PC			RESISTOR;CARBON;10ohm;5%;0W1;SMD805	[P0B18:1: {32.0}(R138-R153,R190-R191,R196-R205,R226-R229)]	*NOT available in DP
65	1.0000	PC			RESISTOR;CARBON;20ohm;5%;0W1;SMD805	[P0AWZ:5: {1.0}(R7)]	*NOT available in DP
66	2.0000	PC			RESISTOR;CARBON;47ohm;5%;0W1;SMD805	[P0B18:1: {2.0}(R69-R70)]	*NOT available in DP
67	1.0000	PC			RESISTOR;CARBON;100ohm;5%;0W1;SMD805	[P0B18:4: {1.0}(R203)]	*NOT available in DP
68	2.0000	PC			RESISTOR;CARBON;150ohm;5%;0W1;SMD805	[P0B18:4: {1.0}(R181)]	*NOT available in DP
69	1.0000	PC			RESISTOR;CARBON;200ohm;5%;0W1;SMD805	[P0B18:4: {1.0}(R245)]	*NOT available in DP
70	16.0000	PC			RESISTOR;CARBON;390ohm;5%;0W1;SMD805	[P0B18:2: {16.0}(R502-R515,R534-R535)]	*NOT available in DP
71	2.0000	PC			RESISTOR;CARBON;470ohm;5%;0W1;SMD805	[P0AWZ:5: {2.0}(R1,R25)]	*NOT available in DP
72	16.0000	PC			RESISTOR;CARBON;100Kohm;5%;0W1;SMD805	[P0B18:2: {16.0}(R279-R292,R297-R298)]	*NOT available in DP
73	2.0000	PC			RESISTOR;METAL;100ohm;1%;0W1;SMD805	[P0B18:3: {2.0}(R151,R155)]	*NOT available in DP
74	3.0000	PC			RESISTOR;METAL;120ohm;1%;0W1;SMD805	[P0B18:3: {2.0}(R140,R154)]	*NOT available in DP
75	32.0000	PC			RESISTOR;METAL;150ohm;1%;0W1;SMD805	[P0B18:2: {14.0}(R328,R332,R336,R340,R344,R348,R352,R356,R366-R371)]	*NOT available in DP
76	1.0000	PC			RESISTOR;METAL;200ohm;1%;0W1;SMD805	[P0B18:3: {1.0}(R153)]	*NOT available in DP
77	3.0000	PC			RESISTOR;METAL;357ohm;1%;0W1;SMD805	[P0B18:3: {1.0}(R152)]	*NOT available in DP
78	33.0000	PC			RESISTOR;METAL;1Kohm;1%;0W1;SMD805	[P0B18:2: {16.0}(R425-R438,R453,R455)]	*NOT available in DP
79	1.0000	PC			RESISTOR;METAL;2Kohm;1%;0W1;SMD805	[P0AWZ:5: {1.0}(R12)]	*NOT available in DP
80	16.0000	PC			RESISTOR;METAL;2Kohm20;1%;0W1;SMD805	[P0B18:1: {16.0}(R42,R44,R46,R48,R50,R52,R54,R56,R109,R112,R115-R116,R119,R122,R125,R128)]	*NOT available in DP
81	1.0000	PC			RESISTOR;METAL;4Kohm53;1%;0W1;SMD805	[P0AWZ:5: {1.0}(R48)]	*NOT available in DP
82	6.0000	PC			RESISTOR;METAL;4Kohm7;1%;0W1;SMD805	[P0B18:1: {4.0}(R184-R185,R188-R189)]	*NOT available in DP
83	9.0000	PC			RESISTOR;METAL;8Kohm20;1%;0W1;SMD603	[P0B18:4: {9.0}(R144-R147,R174-R176,R184,R187)]	*NOT available in DP
84	5.0000	PC			RESISTOR;METAL;10Kohm;1%;0W1;SMD805	[P0B18:1: {4.0}(R206-R208,R223)]	*NOT available in DP
85	1.0000	PC			RESISTOR;METAL;14Kohm;1%;0W1;SMD805	[P0AWZ:5: {1.0}(R47)]	*NOT available in DP
86	1.0000	PC			RESISTOR;METAL;24Kohm;1%;0W1;SMD805	[P0AWZ:5: {1.0}(R6)]	*NOT available in DP
87	60.0000	PC			RESISTOR;METAL;PPM100;47Kohm;0W1;1%;SMD603	[P0B18:1: {28.0}(R162-R177,R209-R214,R217-R222)]	*NOT available in DP
88	3.0000	PC			RESISTOR;SMT;0ohm;5%;CARBON;0W25;SMD1206	[P0B18:1: {3.0}(R134-R136)]	*NOT available in DP
89	6.0000	PC			RESISTOR;CARBON;2ohm2;5%;0W25;SMD1206	[P0AWZ:5: {6.0}(R15-R18,R45-R46)]	*NOT available in DP
90	4.0000	PC			RESISTOR;CARBON;10ohm;5%;0W25;SMD1206	[P0B18:1: {4.0}(R105-R106,R192-R193)]	*NOT available in DP
91	4.0000	PC			RESISTOR;CARBON;100Kohm;5%;0W25;SMD1206	[P0AWZ:5: {4.0}(R19-R22)]	*NOT available in DP
92	2.0000	PC			RESISTOR;METAL;10ohm;1%;0W25;SMD1206	[P0AWZ:5: {2.0}(R11,R14)]	*NOT available in DP
93	1.0000	PC			RESISTOR;METAL;240ohm;1%;0W25;SMD1206	[P0AWZ:5: {1.0}(R37)]	*NOT available in DP
94	2.0000	PC			RESISTOR;METAL;1Kohm;1%;0W25;SMD1206	[P0AWZ:5: {2.0}(R43-R44)]	*NOT available in DP
95	1.0000	PC			RESISTOR;SMD;METAL;2Kohm;1%;0W25;SMD1206	[P0AWZ:5: {1.0}(R40)]	*NOT available in DP
96	4.0000	PC			RESISTOR;METAL;3Kohm;1%;0W25;SMD1206	[P0AWZ:5: {4.0}(R27-R28,R41-R42)]	*NOT available in DP
97	1.0000	PC			RESISTOR;METAL;6kohm81;1%;METAL;0W25;SMD1206	[P0AWZ:5: {1.0}(R39)]	*NOT available in DP
98	1.0000	PC			RESISTOR;METAL;10Kohm;1%;0W25;SMD1206	[P0AWZ:5: {1.0}(R9)]	*NOT available in DP
99	3.0000	PC			RESISTOR;SMD;METAL;150Kohm;1%;0W25;SMD1206	[P0AWZ:5: {3.0}(R3-R5)]	*NOT available in DP
100	4.0000	PC			RESISTOR;SMT;470Kohm;5%;METAL;0W25;SMD1206	[P0AWZ:5: {4.0}(R29-R32)]	*NOT available in DP
101	1.0000	PC			RESISTOR;THICK FILM;22ohm;5%;0W25;SMD1206	[P0AWZ:5: {1.0}(R8)]	*NOT available in DP
102	1.0000	PC			RESISTOR;THICK FILM;10Kohm;5%;0W0625;SMD402	[P0B18:4: {1.0}(R220)]	*NOT available in DP
103	1.0000	PC	Y04-05000-04802	I04-05000-04802	THERMISTOR;NTC;5ohm;+/- 20%;4A;DIA.;PITCH:5mm;(THINKING SCK10054MSY)	[P0B18:06: {1.0}(R2)]	

	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
104	3.0000	PC			RESISTOR;CARBON;5ohm1;5%;0W5;LEAD WIRE	[P0B18:06: {3.0}(R23-R24,R35)]	*NOT available in DP
105	1.0000	PC			RESISTOR;CARBON;100ohm;5%;1W;LEAD WIRE	[P0B18:06: {1.0}(R38)]	*NOT available in DP
106	1.0000	PC			RESISTOR;METAL;47Kohm;5%;2W;LEAD WIRE	[P0B18:06: {1.0}(R36)]	*NOT available in DP

Potentiometer

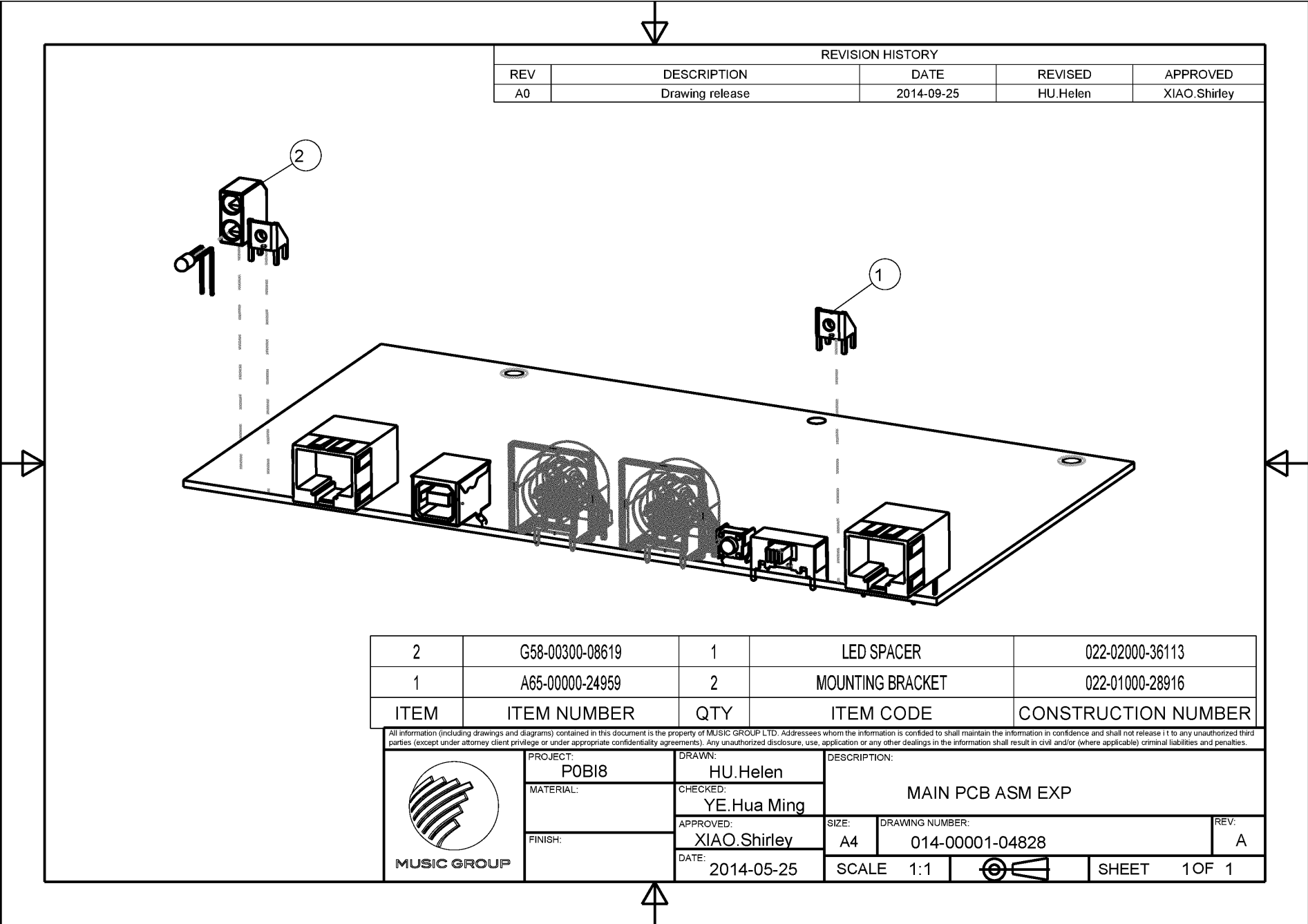
	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Y03-34141-13377	I03-00000-67246	POTENTIOMETER;10Kohm;TAPER:A;STEREO;SHAFT:30MM;W/O CC;HIGH TORQUE;NOBLE;	[P0B18:1: {1.0}(VR1)]	

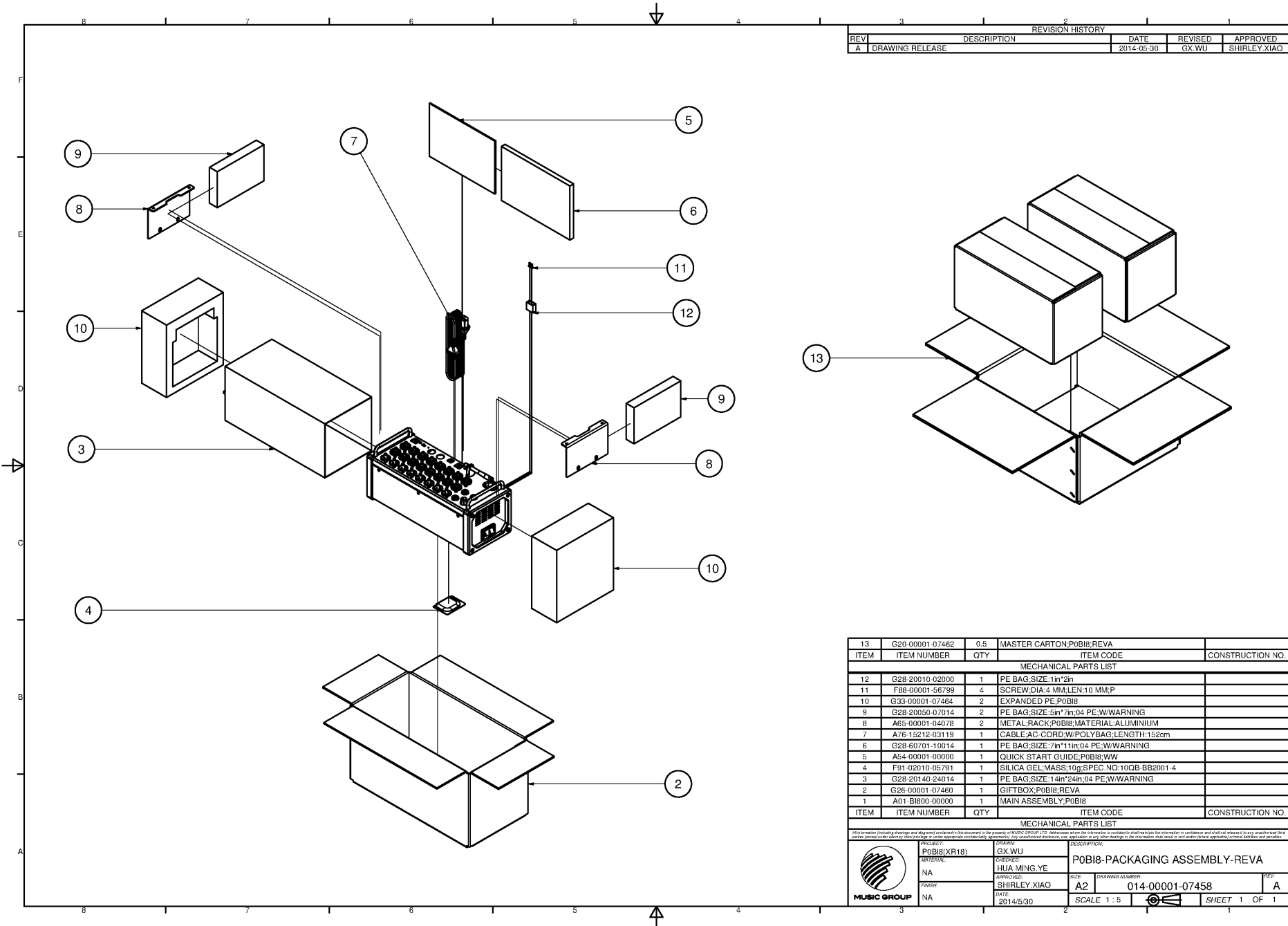
Switch

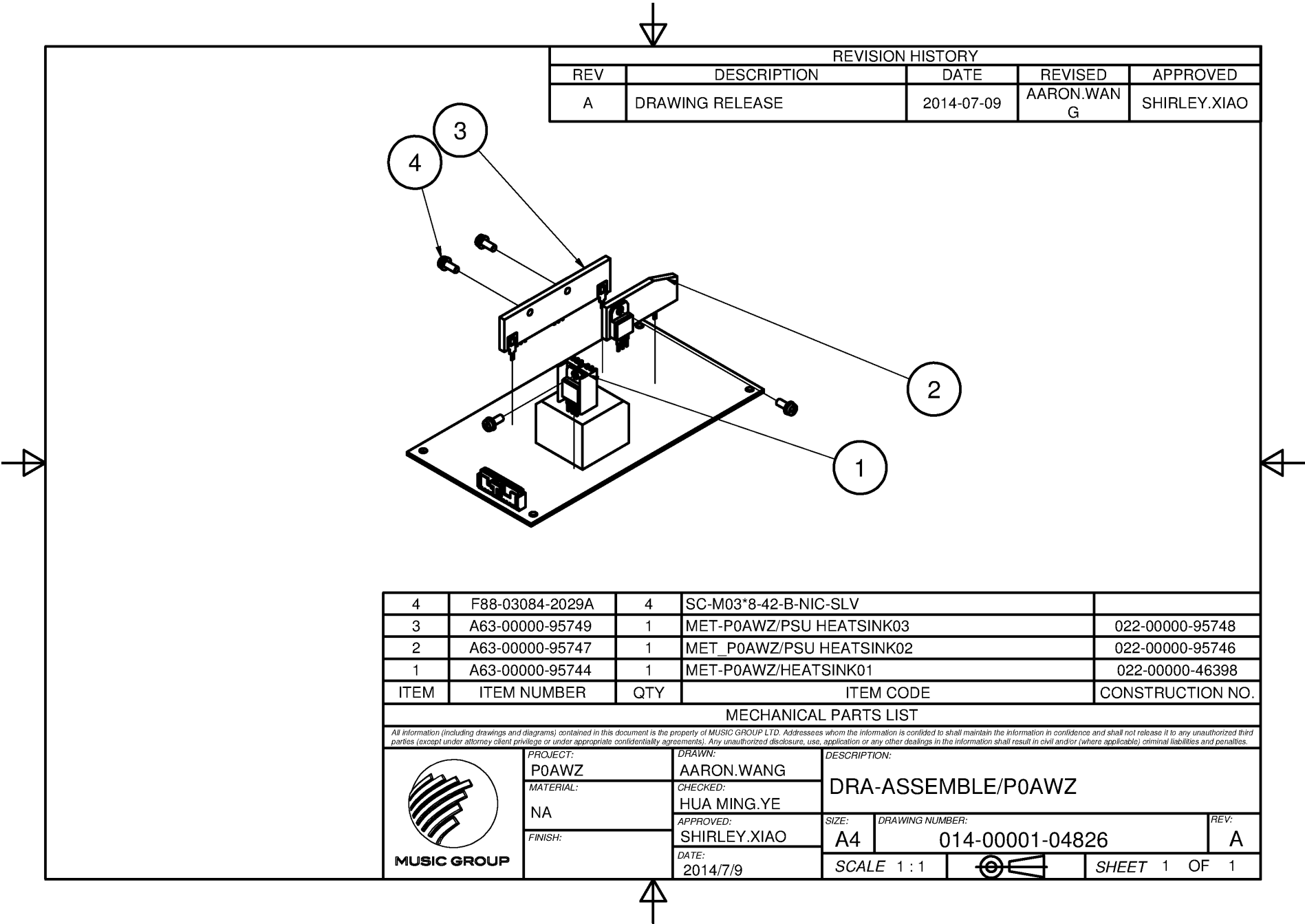
	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	1.0000	PC	Y86-00001-04289	I86-00001-04289	SWITCH;SLIDE;2P;3T;LOCKING;12;SK-23D03; SHAFT: 5MM	[P0B18:4: {1.0}(SW2)]	
2	1.0000	PC	Y87-00000-39582	I87-00000-39582	SWITCH;TACTILE;1;NONLOCK;4;VERTICAL;HANDLE:5	[P0B18:4: {1.0}(SW1)]	

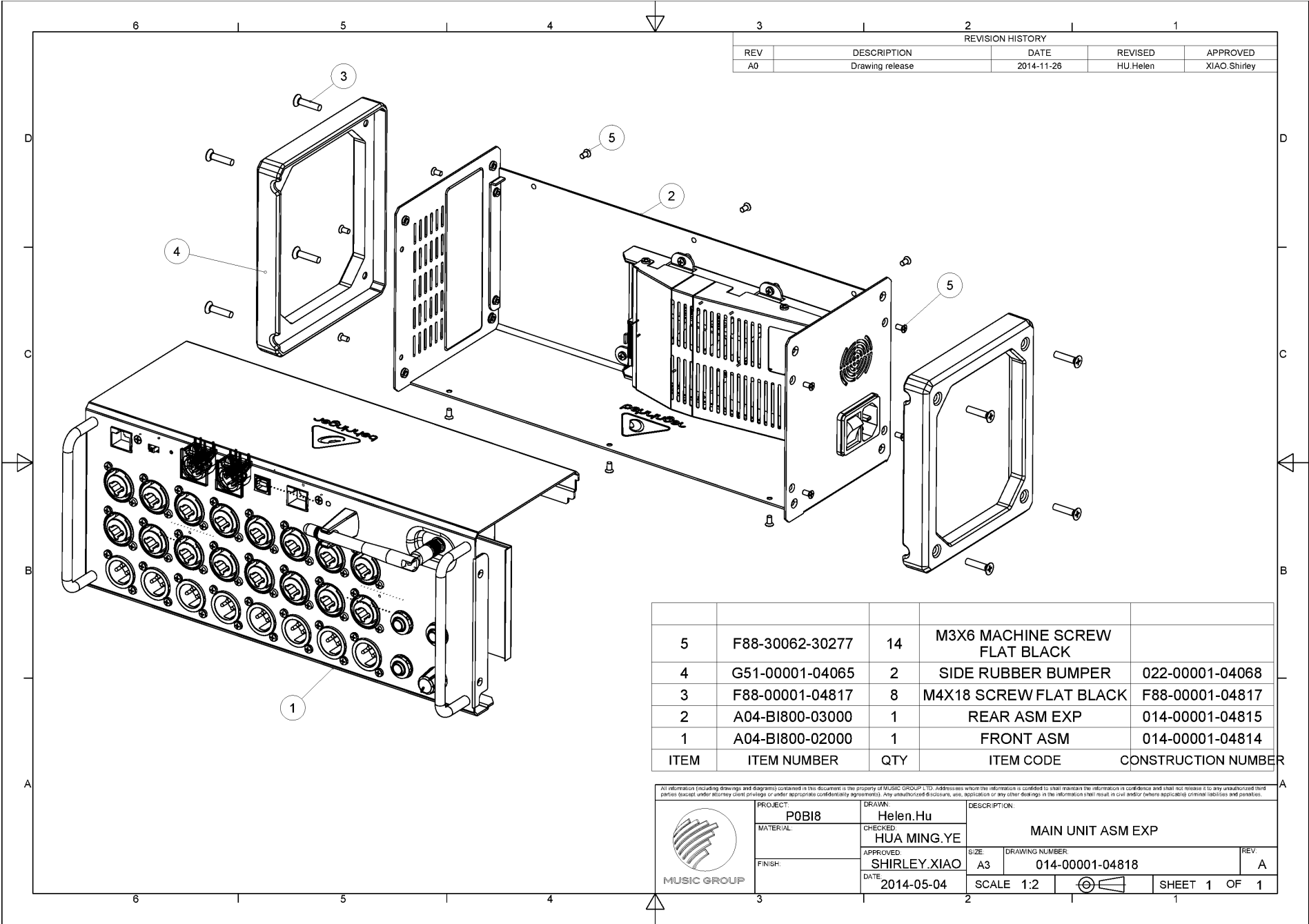
Transistor

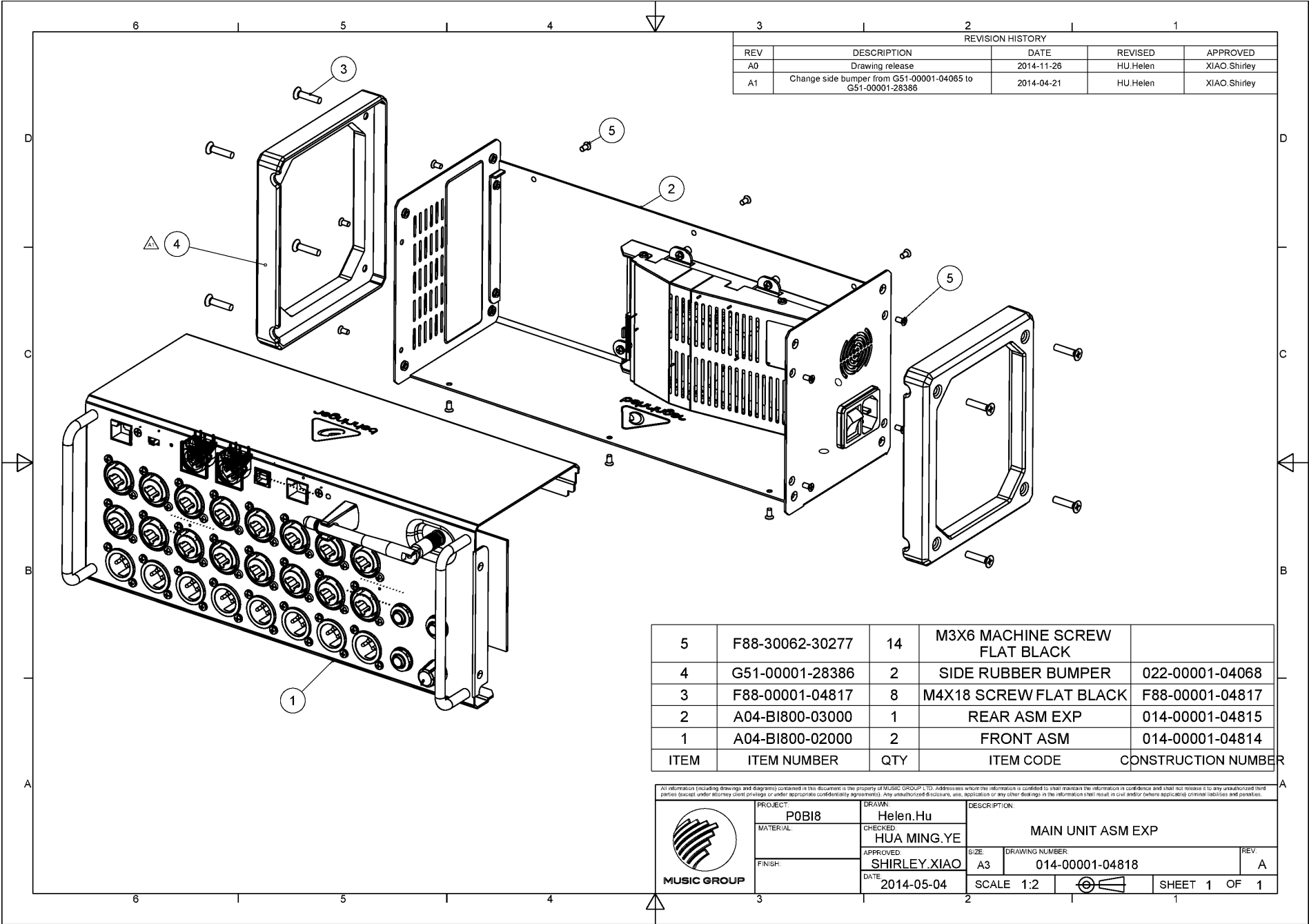
	Quantity	Unit	S.Sku	M.Sku	Description	Reference Designators	Notes
1	32.0000	PC			TRANSISTOR;TO-236MOD;SMD;PINS:3;25C3324BL	[P0B18:2: {32.0}(T17-T48)]	*NOT available in DP
2	1.0000	PC			TRANSISTOR;TO220F;3;MOSFET;N-CH;800V;7.4A;AOTF8N80	[P0B18:06: {1.0}(T1)]	*NOT available in DP
3	17.0000	PC			TRANSISTOR;MBTA06;SOT-23	[P0B18:2: {16.0}(T49-T64)]	*NOT available in DP
4	16.0000	PC			TRANSISTOR;MBTA56;SOT-23	[P0B18:2: {16.0}(T1-T16)]	*NOT available in DP

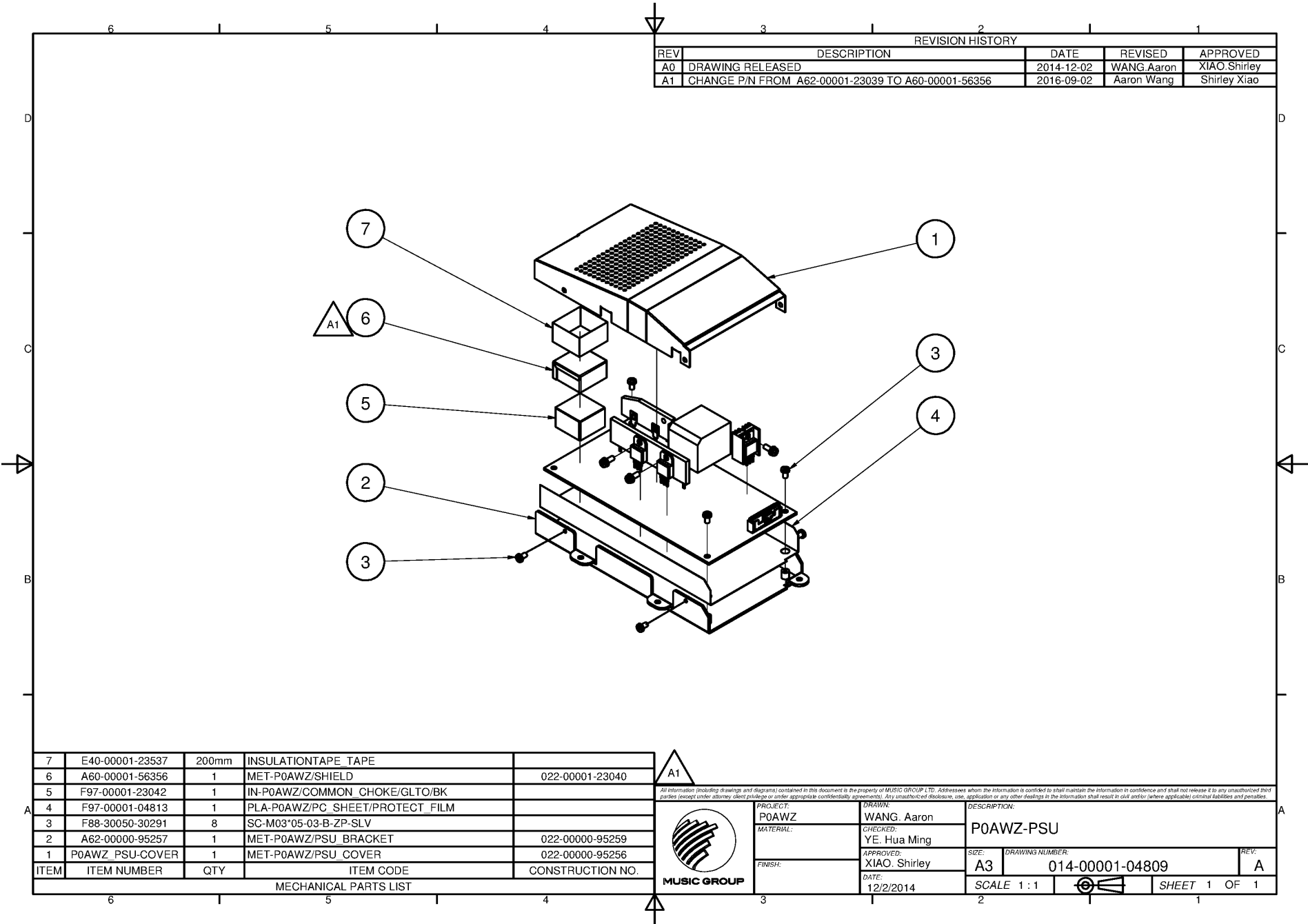


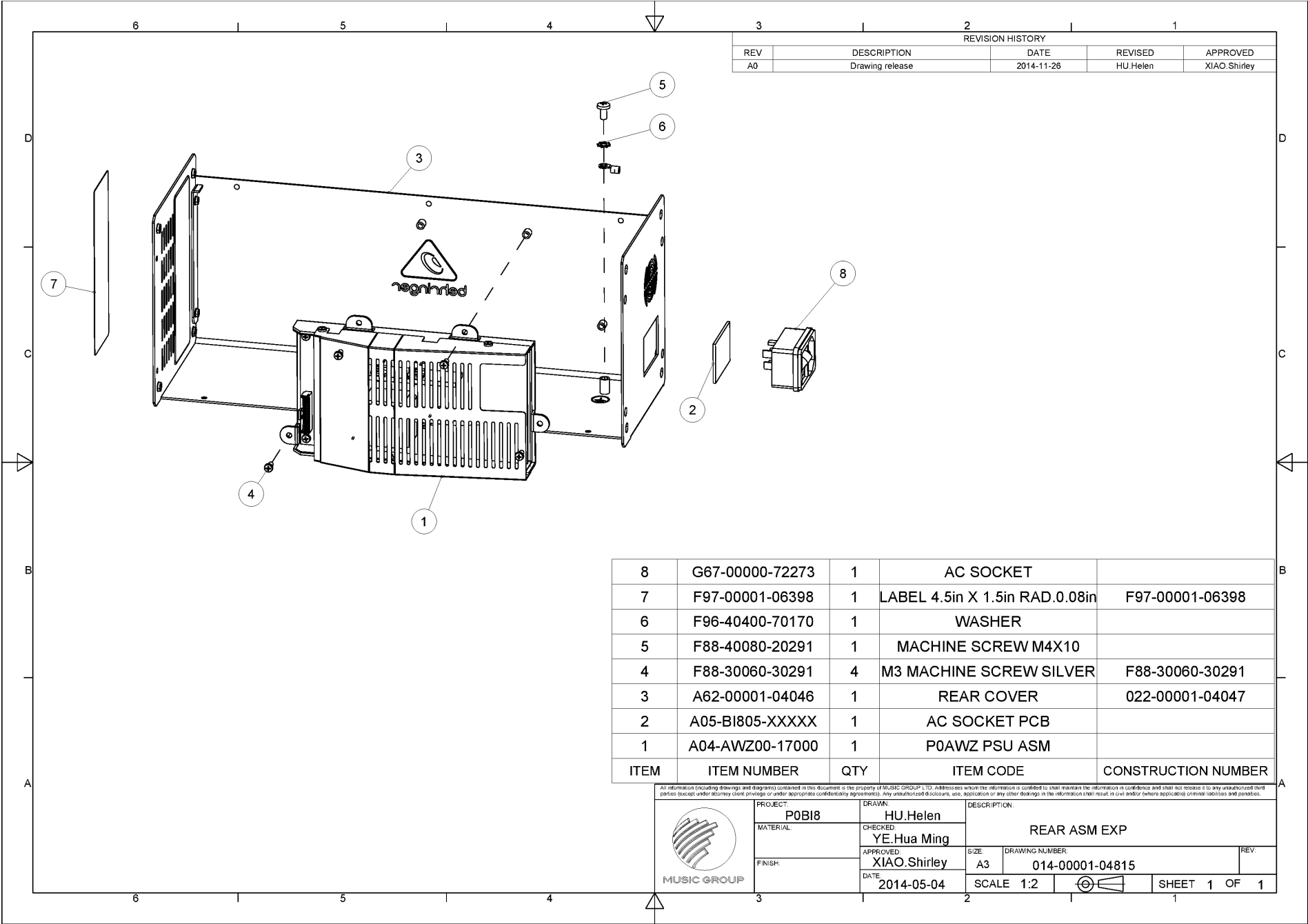




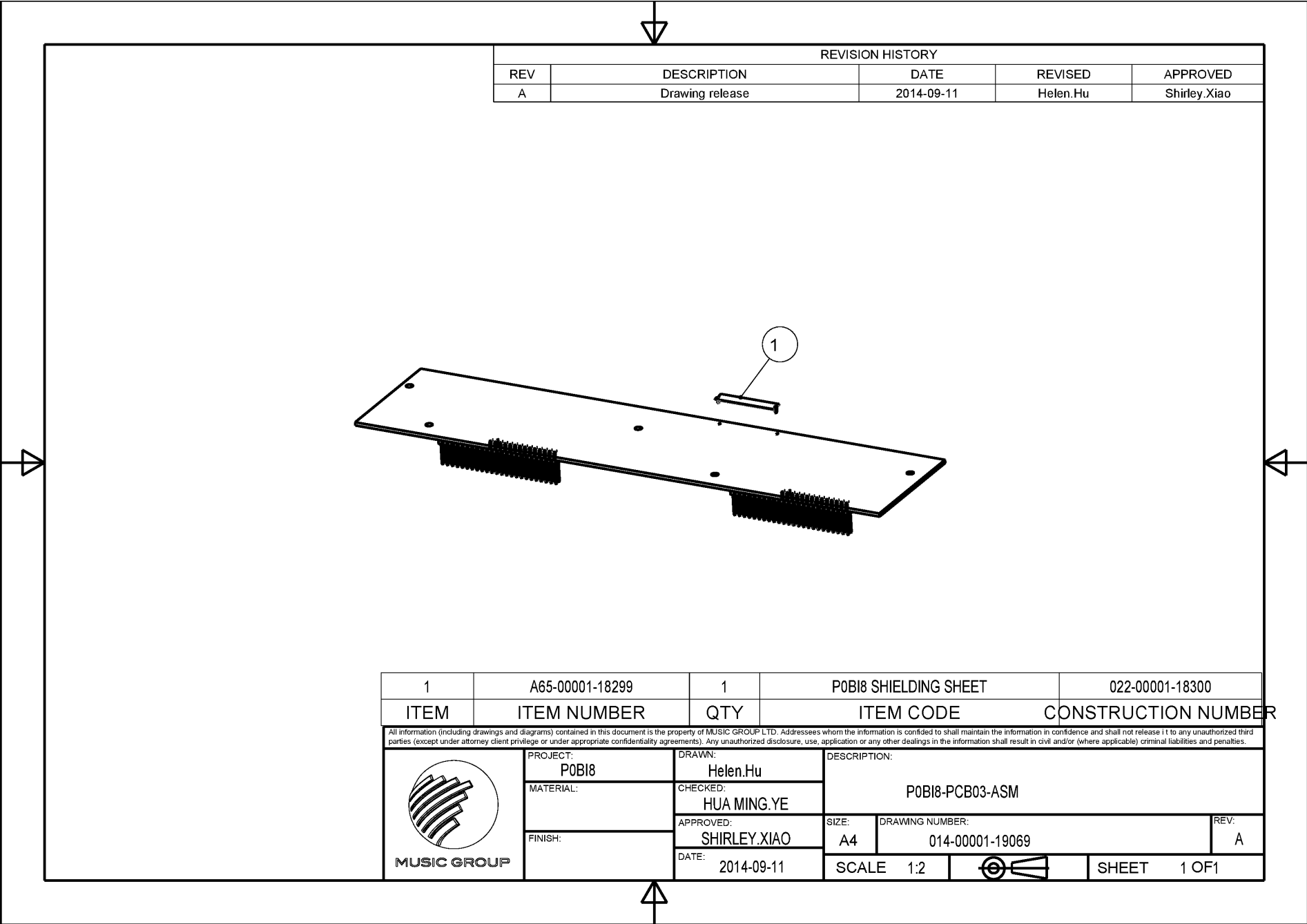














We Hear You